

SEQUENCE LISTING

<110> Lasek, Amy W.
Jones, David A.

<120> GENES EXPRESSED IN COLON CANCER

<130> PA-0038 US

<140> To Be Assigned

<141> Herewith

<160> 194

<170> PERL Program

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<211> 1168

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 184081.24

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<220>

<221> unsure

<222> 363, 384

<223> a, t, c, g, or other

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<212> DNA
<213> Homo sapiens

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<220>
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<223> Incyte ID No: 3200830CB1

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<213> Homo sapiens

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<220>
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Asp Ser Trp Gly Ile Leu Phe Ser His Pro Arg Asp Phe Thr Pro
  35          40          45
Val Cys Thr Thr Glu Leu Gly Arg Ala Ala Lys Leu Ala Pro Glu
  50          55          60
Phe Ala Lys Arg Asn Val Lys Leu Ile Ala Leu Ser Ile Asp Ser
  65          70          75
Val Glu Asp His Leu Ala Trp Ser Lys Asp Ile Asn Ala Tyr Asn
  80          85          90
Cys Glu Glu Pro Thr Glu Lys Leu Pro Phe Pro Ile Ile Asp Asp
  95          100         105
Arg Asn Arg Glu Leu Ala Ile Leu Leu Gly Met Leu Asp Pro Ala
  110         115         120
Glu Lys Asp Glu Lys Gly Met Pro Val Thr Ala Arg Val Val Phe
  125         130         135
Val Phe Gly Pro Asp Lys Lys Leu Lys Leu Ser Ile Leu Tyr Pro
  140         145         150
Ala Thr Thr Gly Arg Asn Phe Asp Glu Ile Leu Arg Val Val Ile
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<211> 457
<212> DNA
<213> Homo sapiens
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agggatgggg	atagtgtgat	ggtccttcca	accatccctg	aagaagaagc	caaaaaaact	240
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<223> Incyte ID No: 3819039CB1
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<210> 7

<211> 431

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 3819039CD1

<400> 7

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Arg Arg Met Gly Leu Asn Asp Phe Ile Gln Lys Ile Ala Asn Asn
          35          40          45
Ser Tyr Ala Cys Lys His Pro Glu Val Gln Ser Ile Leu Lys Ile
          50          55          60
Ser Gln Pro Gln Glu Pro Glu Leu Met Asn Ala Asn Pro Ser Pro
          65          70          75
Pro Pro Ser Pro Ser Gln Gln Ile Asn Leu Gly Pro Ser Ser Asn
          80          85          90
Pro His Ala Lys Pro Ser Asp Phe His Phe Leu Lys Val Ile Gly
          95          100          105
Lys Gly Ser Phe Gly Lys Val Leu Leu Ala Arg His Lys Ala Glu
          110          115          120
Glu Val Phe Tyr Ala Val Lys Val Leu Gln Lys Lys Ala Ile Leu
          125          130          135
Lys Lys Lys Glu Glu Lys His Ile Met Ser Glu Arg Asn Val Leu
          140          145          150
Leu Lys Asn Val Lys His Pro Phe Leu Val Gly Leu His Phe Ser
          155          160          165
Phe Gln Thr Ala Asp Lys Leu Tyr Phe Val Leu Asp Tyr Ile Asn
          170          175          180
Gly Gly Glu Leu Phe Tyr His Leu Gln Arg Glu Arg Cys Phe Leu
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Glu Pro Arg Ala Arg Phe Tyr Ala Ala Glu Ile Ala Ser Ala Leu
          200          205          210
Gly Tyr Leu His Ser Leu Asn Ile Val Tyr Arg Asp Leu Lys Pro
          215          220          225
Glu Asn Ile Leu Leu Asp Ser Gln Gly His Ile Val Leu Thr Asp
          230          235          240
Phe Gly Leu Cys Lys Glu Asn Ile Glu His Asn Ser Thr Thr Ser
          245          250          255
Thr Phe Cys Gly Thr Pro Glu Tyr Leu Ala Pro Glu Val Leu His
          260          265          270
Lys Gln Pro Tyr Asp Arg Thr Val Asp Trp Trp Cys Leu Gly Ala
          275          280          285
Val Leu Tyr Glu Met Leu Tyr Gly Leu Pro Pro Phe Tyr Ser Arg
          290          295          300
Asn Thr Ala Glu Met Tyr Asp Asn Ile Leu Asn Lys Pro Leu Gln
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Leu Lys Pro Asn Ile Thr Asn Ser Ala Arg His Leu Leu Glu Gly
          320          325          330
Leu Leu Gln Lys Asp Arg Thr Lys Arg Leu Gly Ala Lys Asp Asp

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Val Ser Gly Pro	Asn Asp Leu Arg His	Phe Asp Pro Glu Phe Thr			
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Glu Glu Pro Val	Pro Asn Ser Ile Gly	Lys Ser Pro Asp Ser Val			
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<210> 8
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 330923.5

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 <221> unsure
 <222> 450, 3784, 3795, 3799
 <223> a, t, c, g, or other

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<211> 3474

<212> DNA

<213> Homo sapiens

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<221> misc_feature

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 Lys Asn Pro Glu Pro Trp Glu Thr Val Asp Pro Thr Val Pro Gln
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ttaaaacaaa atgaacactg cttgtcttct tccattgacc atttagtggt gagtactgta 4260
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<210> 16

<211> 1212

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1285632CD1

<400> 16

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Arg Val Glu Leu Pro Gly Thr Ala Val Pro Ser Val Pro Glu Asp
35 40 45
Ala Ala Pro Ala Ser Arg Asp Gly Gly Gly Val Arg Asp Glu Gly
50 55 60
Pro Ala Ala Ala Gly Asp Gly Leu Gly Arg Pro Leu Gly Pro Thr
65 70 75
Pro Ser Gln Ser Arg Phe Gln Val Asp Leu Val Ser Glu Asn Ala
80 85 90
Gly Arg Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
95 100 105
Ala Ala Gly Ala Gly Ala Gly Ala Lys Gln Thr Pro Ala Asp Gly
110 115 120
Glu Ala Ser Gly Glu Ser Glu Pro Ala Lys Gly Ser Glu Glu Ala
125 130 135
Lys Gly Arg Phe Arg Val Asn Phe Val Asp Pro Ala Ala Ser Ser
140 145 150
Ser Ala Glu Asp Ser Leu Ser Asp Ala Ala Gly Val Gly Val Asp
155 160 165
Gly Pro Asn Val Ser Phe Gln Asn Gly Gly Asp Thr Val Leu Ser
170 175 180
Glu Gly Ser Ser Leu His Ser Gly Gly Gly Gly Gly Ser Gly His
185 190 195
His Gln His Tyr Tyr Tyr Asp Thr His Thr Asn Thr Tyr Tyr Leu
200 205 210
Arg Thr Phe Gly His Asn Thr Met Asp Ala Val Pro Arg Ile Asp
215 220 225
His Tyr Arg His Thr Ala Ala Gln Leu Gly Glu Lys Leu Leu Arg
230 235 240
Pro Ser Leu Ala Glu Leu His Asp Glu Leu Glu Lys Glu Pro Phe
245 250 255
Glu Asp Gly Phe Ala Asn Gly Glu Glu Ser Thr Pro Thr Arg Asp
260 265 270

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Ala Val Val Thr	Tyr Thr Ala Glu Ser	Lys Gly Val Val Lys Phe	275	280	285
Gly Trp Ile Lys	Gly Val Leu Val Arg	Cys Met Leu Asn Ile Trp	290	295	300
Gly Val Met Leu	Phe Ile Arg Leu Ser	Trp Ile Val Gly Gln Ala	305	310	315
Gly Ile Gly Leu	Ser Val Leu Val Ile	Met Met Ala Thr Val Val	320	325	330
Thr Thr Ile Thr	Gly Leu Ser Thr Ser	Ala Ile Ala Thr Asn Gly	335	340	345
Phe Val Arg Gly	Gly Gly Ala Tyr Tyr	Leu Ile Ser Arg Ser Leu	350	355	360
Gly Pro Glu Phe	Gly Gly Ala Ile Gly	Leu Ile Phe Ala Phe Ala	365	370	375
Asn Ala Val Ala	Val Ala Met Tyr Val	Val Gly Phe Ala Glu Thr	380	385	390
Val Val Glu Leu	Leu Lys Glu His Ser	Ile Leu Met Ile Asp Glu	395	400	405
Ile Asn Asp Ile	Arg Ile Ile Gly Ala	Ile Thr Val Val Ile Leu	410	415	420
Leu Gly Ile Ser	Val Ala Gly Met Glu	Trp Glu Ala Lys Ala Gln	425	430	435
Ile Val Leu Leu	Val Ile Leu Leu Leu	Ala Ile Gly Asp Phe Val	440	445	450
Ile Gly Thr Phe	Ile Pro Leu Glu Ser	Lys Lys Pro Lys Gly Phe	455	460	465
Phe Gly Tyr Lys	Ser Glu Ile Phe Asn	Glu Asn Phe Gly Pro Asp	470	475	480
Phe Arg Glu Glu	Glu Thr Phe Phe Ser	Val Phe Ala Ile Phe Phe	485	490	495
Pro Ala Ala Thr	Gly Ile Leu Ala Gly	Ala Asn Ile Ser Gly Asp	500	505	510
Leu Ala Asp Pro	Gln Ser Ala Ile Pro	Lys Gly Thr Leu Leu Ala	515	520	525
Ile Leu Ile Thr	Thr Leu Val Tyr Val	Gly Ile Ala Val Ser Val	530	535	540
Gly Ser Cys Val	Val Arg Asp Ala Thr	Gly Asn Val Asn Asp Thr	545	550	555
Ile Val Thr Glu	Leu Thr Asn Cys Thr	Ser Ala Ala Cys Lys Leu	560	565	570
Asn Phe Asp Phe	Ser Ser Cys Glu Ser	Ser Pro Cys Ser Tyr Gly	575	580	585
Leu Met Asn Asn	Phe Gln Val Met Ser	Met Val Ser Gly Phe Thr	590	595	600
Pro Leu Ile Ser	Ala Gly Ile Phe Ser	Ala Thr Leu Ser Ser Ala	605	610	615
Leu Ala Ser Leu	Val Ser Ala Pro Lys	Ile Phe Gln Ala Leu Cys	620	625	630
Lys Asp Asn Ile	Tyr Pro Ala Phe Gln	Met Phe Ala Lys Gly Tyr	635	640	645
Gly Lys Asn Asn	Glu Pro Leu Arg Gly	Tyr Ile Leu Thr Phe Leu	650	655	660
Ile Ala Leu Gly	Phe Ile Leu Ile Ala	Glu Leu Asn Val Ile Ala	665	670	675
Pro Ile Ile Ser	Asn Phe Phe Leu Ala	Ser Tyr Ala Leu Ile Asn	680	685	690
Phe Ser Val Phe	His Ala Ser Leu Ala	Lys Ser Pro Gly Trp Arg	695	700	705
Pro Gly Phe Lys	Tyr Tyr Asn Met Trp	Ile Ser Leu Leu Gly Ala	710	715	720
Ile Leu Cys Cys	Ile Val Met Phe Val	Ile Asn Trp Trp Ala Ala	725	730	735
Leu Leu Thr Tyr	Val Ile Val Leu Gly	Leu Tyr Ile Tyr Val Thr	740	745	750
Tyr Lys Lys Pro	Asp Val Asn Trp Gly	Ser Ser Thr Gln Ala Leu	755	760	765

Thr	Tyr	Leu	Asn	Ala	Leu	Gln	His	Ser	Ile	Arg	Leu	Ser	Gly	Val
				770					775					780
Glu	Asp	His	Val	Lys	Asn	Phe	Arg	Pro	Gln	Cys	Leu	Val	Met	Thr
				785					790					795
Gly	Ala	Pro	Asn	Ser	Arg	Pro	Ala	Leu	Leu	His	Leu	Val	His	Asp
				800					805					810
Phe	Thr	Lys	Asn	Val	Gly	Leu	Met	Ile	Cys	Gly	His	Val	His	Met
				815					820					825
Gly	Pro	Arg	Arg	Gln	Ala	Met	Lys	Glu	Met	Ser	Ile	Asp	Gln	Ala
				830					835					840
Lys	Tyr	Gln	Arg	Trp	Leu	Ile	Lys	Asn	Lys	Met	Lys	Ala	Phe	Tyr
				845					850					855
Ala	Pro	Val	His	Ala	Asp	Asp	Leu	Arg	Glu	Gly	Ala	Gln	Tyr	Leu
				860					865					870
Met	Gln	Ala	Ala	Gly	Leu	Gly	Arg	Met	Lys	Pro	Asn	Thr	Leu	Val
				875					880					885
Leu	Gly	Phe	Lys	Lys	Asp	Trp	Leu	Gln	Ala	Asp	Met	Arg	Asp	Val
				890					895					900
Asp	Met	Tyr	Ile	Asn	Leu	Phe	His	Asp	Ala	Phe	Asp	Ile	Gln	Tyr
				905					910					915
Gly	Val	Val	Val	Ile	Arg	Leu	Lys	Glu	Gly	Leu	Asp	Ile	Ser	His
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Leu	Gln	Gly	Gln	Glu	Glu	Leu	Leu	Ser	Ser	Gln	Glu	Lys	Ser	Pro
				935					940					945
Gly	Thr	Lys	Asp	Val	Val	Val	Ser	Val	Glu	Tyr	Ser	Lys	Lys	Ser
				950					955					960
Asp	Leu	Asp	Thr	Ser	Lys	Pro	Leu	Ser	Glu	Lys	Pro	Ile	Thr	His
				965					970					975
Lys	Val	Glu	Glu	Glu	Asp	Gly	Lys	Thr	Ala	Thr	Gln	Pro	Leu	Leu
				980					985					990
Lys	Lys	Glu	Ser	Lys	Gly	Pro	Ile	Val	Pro	Leu	Asn	Val	Ala	Asp
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Gln	Lys	Leu	Leu	Glu	Ala	Ser	Thr	Gln	Phe	Gln	Lys	Lys	Gln	Gly
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Lys	Asn	Thr	Ile	Asp	Val	Trp	Trp	Leu	Phe	Asp	Asp	Gly	Gly	Leu
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Thr	Leu	Leu	Ile	Pro	Tyr	Leu	Leu	Thr	Thr	Lys	Lys	Lys	Trp	Lys
				1040					1045					1050
Asp	Cys	Lys	Ile	Arg	Val	Phe	Ile	Gly	Gly	Lys	Ile	Asn	Arg	Ile
				1055					1060					1065
Asp	His	Asp	Arg	Arg	Ala	Met	Ala	Thr	Leu	Leu	Ser	Lys	Phe	Arg
				1070					1075					1080
Ile	Asp	Phe	Ser	Asp	Ile	Met	Val	Leu	Gly	Asp	Ile	Asn	Thr	Lys
				1085					1090					1095
Pro	Lys	Lys	Glu	Asn	Ile	Ile	Ala	Phe	Glu	Glu	Ile	Ile	Glu	Pro
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Tyr	Arg	Leu	His	Glu	Asp	Asp	Lys	Glu	Gln	Asp	Ile	Ala	Asp	Lys
				1115					1120					1125
Met	Lys	Glu	Asp	Glu	Pro	Trp	Arg	Ile	Thr	Asp	Asn	Glu	Leu	Glu
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Leu	Tyr	Lys	Thr	Lys	Thr	Tyr	Arg	Gln	Ile	Arg	Leu	Asn	Glu	Leu
				1145					1150					1155
Leu	Lys	Glu	His	Ser	Ser	Thr	Ala	Asn	Ile	Ile	Val	Met	Ser	Leu
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Pro	Val	Ala	Arg	Lys	Gly	Ala	Val	Ser	Ser	Ala	Leu	Tyr	Met	Ala
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Trp	Leu	Glu	Ala	Leu	Ser	Lys	Asp	Leu	Pro	Pro	Ile	Leu	Leu	Val
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<210> 17

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 474322.36

<220>

<221> unsure

<222> 388

<223> a, t, c, g, or other

<400> 17

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cagaagttga gaccaccagc agaggagcta ggccagtcca tctgcatttg tcacccaaga 180
actcttacca tgaagacctt cctactgttg gcagtgatca tgatctttgg cctactgcag 240
gcccatggga atttgggtgaa tttccacaga atgatcaagt tgacgacagg aaaggaagcc 300
gcactcagtt atgggcttct atggctgcca ctgtggcggt ggtggcagag gatcccccaa 360
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<210> 18

<211> 1868

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3040213CB1

<400> 18

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aaataccagt tcagttttgt cattgttcta gtaaattagt tccatttgta aaagggttac 1800
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aaaaaaaaa 1868

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<210> 19
 <211> 553
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 3040213CD1

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 35 40 45
 Thr Gly Thr Ala Glu Met Ser Ser Ile Leu Glu Glu Arg Ile Leu
 50 55 60
 Gly Ala Asp Thr Ser Val Asp Leu Glu Glu Thr Gly Arg Val Leu
 65 70 75
 Ser Ile Gly Asp Gly Ile Ala Arg Val His Gly Leu Arg Asn Val
 80 85 90
 Gln Ala Glu Glu Met Val Glu Phe Ser Ser Gly Leu Lys Gly Met
 95 100 105
 Ser Leu Asn Leu Glu Pro Asp Asn Val Gly Val Val Val Phe Gly
 110 115 120
 Asn Asp Lys Leu Ile Lys Glu Gly Asp Ile Val Lys Arg Thr Gly
 125 130 135
 Ala Ile Val Asp Val Pro Val Gly Glu Glu Leu Leu Gly Arg Val
 140 145 150
 Val Asp Ala Leu Gly Asn Ala Ile Asp Gly Lys Gly Pro Ile Gly
 155 160 165
 Ser Lys Thr Arg Arg Val Gly Leu Lys Ala Pro Gly Ile Ile
 170 175 180
 Pro Arg Ile Ser Val Arg Glu Pro Met Gln Thr Gly Ile Lys Ala
 185 190 195
 Val Asp Ser Leu Val Pro Ile Gly Arg Gly Gln Arg Glu Leu Ile
 200 205 210
 Ile Gly Asp Arg Gln Thr Gly Lys Thr Ser Ile Ala Ile Asp Thr
 215 220 225
 Ile Ile Asn Gln Lys Arg Phe Asn Asp Gly Ser Asp Glu Lys Lys
 230 235 240
 Lys Leu Tyr Cys Ile Tyr Val Ala Ile Gly Gln Lys Arg Ser Thr
 245 250 255
 Val Ala Gln Leu Val Lys Arg Leu Thr Asp Ala Asp Ala Met Lys
 260 265 270
 Tyr Thr Ile Val Val Ser Ala Thr Ala Ser Asp Ala Ala Pro Leu
 275 280 285
 Gln Tyr Leu Ala Pro Tyr Ser Gly Cys Ser Met Gly Glu Tyr Phe
 290 295 300
 Arg Asp Asn Gly Lys His Ala Leu Ile Ile Tyr Asp Asp Leu Ser
 305 310 315
 Lys Gln Ala Val Ala Tyr Arg Gln Met Ser Leu Leu Leu Arg Arg
 320 325 330
 Pro Pro Gly Arg Glu Ala Tyr Pro Gly Asp Val Phe Tyr Leu His
 335 340 345
 Ser Arg Leu Leu Glu Arg Ala Ala Lys Met Asn Asp Ala Phe Gly
 350 355 360
 Gly Gly Ser Leu Thr Ala Leu Pro Val Ile Glu Thr Gln Ala Gly
 365 370 375
 Asp Val Ser Ala Tyr Ile Pro Thr Asn Val Ile Ser Ile Thr Asp
 380 385 390
 Gly Gln Ile Phe Leu Glu Thr Glu Leu Phe Tyr Lys Gly Ile Arg
 395 400 405
 Pro Ala Ile Asn Val Gly Leu Ser Val Ser Arg Val Gly Ser Ala
 410 415 420

Ala Gln Thr Arg Ala Met Lys Gln Val Ala Gly Thr Met Lys Leu
 425 430 435
 Glu Leu Ala Gln Tyr Arg Glu Val Ala Ala Phe Ala Gln Phe Gly
 440 445 450
 Ser Asp Leu Asp Ala Ala Thr Gln Gln Leu Leu Ser Arg Gly Val
 455 460 465
 Arg Leu Thr Glu Leu Leu Lys Gln Gly Gln Tyr Ser Pro Met Ala
 470 475 480
 Ile Glu Glu Gln Val Ala Val Ile Tyr Ala Gly Val Arg Gly Tyr
 485 490 495
 Leu Asp Lys Leu Glu Pro Ser Lys Ile Thr Lys Phe Glu Asn Ala
 500 505 510
 Phe Leu Ser His Val Val Ser Gln His Gln Ala Leu Leu Gly Thr
 515 520 525
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 530 535 540
 Lys Glu Ile Val Thr Asn Phe Leu Ala Gly Phe Glu Ala
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<210> 20
 <211> 528
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1282225CB1

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<210> 21
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1282225CD1

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 35 40 45
 Lys His Phe Lys Phe Thr Ile Thr Ala Gly Ser Lys Val Ile Gln
 50 55 60
 Asn Glu Phe Thr Val Gly Glu Glu Cys Glu Leu Glu Thr Met Thr
 65 70 75
 Gly Glu Lys Val Lys Thr Val Val Gln Leu Glu Gly Asp Asn Lys
 80 85 90
 Leu Val Thr Ala Phe Lys Asn Ile Lys Ser Val Thr Glu Leu Asn
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 Lys Arg Ile Ser Lys Arg Ile

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 <212> DNA
 <213> Homo sapiens

<220>
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 <213> Homo sapiens

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35	40	45	
Pro Asn Phe Ile Leu	Gln Val Tyr Ser	Ser Gln Arg Lys Ser	Trp
50	55	60	
His Pro Val Cys Gln	Asp Asp Trp Asn	Glu Asn Tyr Gly Arg	Ala
65	70	75	
Ala Cys Arg Asp Met	Gly Tyr Lys Asn	Asn Phe Tyr Ser Ser	Gln
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Asp Ala Cys Ser Ser	Lys Ala Val Val	Ser Leu Arg Cys Ile	Ala
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Cys Gly Val Asn Leu	Asn Ser Ser Arg	Gln Ser Arg Ile Val	Gly
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Gly Glu Ser Ala Leu	Pro Gly Ala Trp	Pro Trp Gln Val Ser	Leu
155	160	165	
His Val Gln Asn Val	His Val Cys Gly	Gly Ser Ile Ile Thr	Pro
170	175	180	
Glu Trp Thr Val Thr	Ala Ala His Cys	Val Glu Lys Pro Leu	Asn
185	190	195	
Asn Pro Trp His Trp	Thr Ala Phe Ala	Gly Ile Leu Arg Gln	Ser
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Phe Met Phe Tyr Gly	Ala Gly Tyr Gln	Val Glu Lys Val Ile	Ser
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His Pro Asn Tyr Asp	Ser Lys Thr Lys	Asn Asn Asp Ile Ala	Leu
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Met Lys Leu Gln Lys	Pro Leu Thr Phe	Asn Asp Leu Val Lys	Pro
245	250	255	
Val Cys Leu Pro Asn	Pro Gly Met Met	Leu Gln Pro Glu Gln	Leu
260	265	270	
Cys Trp Ile Ser Gly	Trp Gly Ala Thr	Glu Glu Lys Gly Lys	Thr
275	280	285	
Ser Glu Val Leu Asn	Ala Ala Lys Val	Leu Leu Ile Glu Thr	Gln
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Arg Cys Asn Ser Arg	Tyr Val Tyr Asp	Asn Leu Ile Thr Pro	Ala
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Met Ile Cys Ala Gly	Phe Leu Gln Gly	Asn Val Asp Ser Cys	Gln
320	325	330	
Gly Asp Ser Gly Gly	Pro Leu Val Thr	Ser Lys Asn Asn Ile	Trp
335	340	345	
Trp Leu Ile Gly Asp	Thr Ser Trp Gly	Ser Gly Cys Ala Lys	Ala
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 <223> a, t, c, g, or other

<400> 24

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<211> 178

<212> PRT

<213> Homo sapiens

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Gln Ala Arg Ser Ser Ser Tyr Ser Gly Glu Tyr Gly Ser Gly Gly
          35          40          45
Gly Lys Arg Phe Ser His Ser Gly Asn Gln Leu Asp Gly Pro Ile
          50          55          60
Thr Ala Leu Arg Val Arg Val Asn Thr Tyr Tyr Ile Val Gly Leu
          65          70          75
Gln Val Arg Tyr Gly Lys Val Trp Ser Asp Tyr Val Gly Gly Arg
          80          85          90
Asn Gly Asp Leu Glu Glu Ile Phe Leu His Pro Gly Glu Ser Val
          95          100          105
Ile Gln Val Ser Gly Lys Tyr Lys Trp Tyr Leu Lys Lys Leu Val
          110          115          120
Phe Val Thr Asp Lys Gly Arg Tyr Leu Ser Phe Gly Lys Asp Ser
          125          130          135
Gly Thr Ser Phe Asn Ala Val Pro Leu His Pro Asn Thr Val Leu
          140          145          150
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<212> DNA

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<223> Incyte ID No: 203309.2

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<223> Incyte ID No: 989613CB1

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<213> Homo sapiens

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35 40 45
Ile Asn Leu Ala Ala Gly Leu Asp Leu Phe Gln Gly Asp Ile Leu
50 55 60
Leu Gln Lys Ser Arg Asn Gly Leu Arg Asp Pro Asn Thr Arg Trp
65 70 75
Thr Phe Pro Ile Pro Tyr Ile Leu Ala Asp Asn Leu Gly Leu Asn
80 85 90
Ala Lys Gly Ala Ile Leu Tyr Ala Phe Glu Met Phe Arg Leu Lys
95 100 105
Ser Cys Val Asp Phe Lys Pro Tyr Glu Gly Glu Ser Ser Tyr Ile
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Ile Phe Gln Gln Phe Asp Gly Cys Trp Ser Glu Val Gly Asp Gln
125 130 135
His Val Gly Gln Asn Ile Ser Ile Gly Gln Gly Cys Ala Tyr Lys
140 145 150
Ala Ile Ile Glu His Glu Ile Leu His Ala Leu Gly Phe Tyr His
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Glu Gln Ser Arg Thr Asp Arg Asp Asp Tyr Val Asn Ile Trp Trp
170 175 180
Asp Gln Ile Leu Ser Gly Tyr Gln His Asn Phe Asp Thr Tyr Asp
185 190 195
Asp Ser Leu Ile Thr Asp Leu Asn Thr Pro Tyr Asp Tyr Glu Ser
200 205 210
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215 220 225
Pro Thr Ile Thr Ala Lys Ile Pro Glu Phe Asn Ser Ile Ile Gly
230 235 240
Gln Arg Leu Asp Phe Ser Ala Ile Asp Leu Glu Arg Leu Asn Arg
245 250 255
Met Tyr Asn Cys Thr Thr Thr His Thr Leu Leu Asp His Cys Thr
260 265 270
Phe Glu Lys Ala Asn Ile Cys Gly Met Ile Gln Gly Thr Arg Asp
275 280 285
Asp Thr Asp Trp Ala His Gln Asp Ser Ala Gln Ala Gly Glu Val
290 295 300
Asp His Thr Leu Leu Gly Gln Cys Thr Gly Ala Gly Tyr Phe Met
305 310 315
Gln Phe Ser Thr Ser Ser Gly Ser Ala Glu Glu Ala Ala Leu Leu
320 325 330
Glu Ser Arg Ile Leu Tyr Pro Lys Arg Lys Gln Gln Cys Leu Gln
335 340 345
Phe Phe Tyr Lys Met Thr Gly Ser Pro Ser Asp Arg Leu Val Val
350 355 360
Trp Val Arg Arg Asp Asp Ser Thr Gly Asn Val Arg Lys Leu Val
365 370 375
Lys Val Gln Thr Phe Gln Gly Asp Asp Asp His Asn Trp Lys Ile
380 385 390
Ala His Val Val Leu Lys Glu Glu Gln Lys Phe Arg Tyr Leu Phe

Gln Gly Thr Lys	395	Gly Asp Pro Gln Asn	400	Ser Thr Gly Gly Ile Tyr	405
Leu Asp Asp Ile	410	Thr Leu Thr Glu Thr	415	Pro Cys Pro Thr Gly Val	420
Trp Thr Val Arg	425	Asn Phe Ser Gln Val	430	Leu Glu Asn Thr Ser Lys	435
Gly Asp Lys Leu	440	Gln Ser Pro Arg Phe	445	Tyr Asn Ser Glu Gly Tyr	450
Gly Phe Gly Leu	455	Thr Leu Tyr Pro Asn	460	Ser Arg Glu Ser Ser Gly	465
Tyr Leu Arg Leu	470	Ala Phe His Val Cys	475	Ser Gly Glu Asn Asp Ala	480
Ile Leu Glu Trp	485	Pro Val Glu Asn Arg	490	Gln Val Ile Ile Thr Ile	495
Leu Asp Gln Glu	500	Pro Asp Val Gln Asn	505	Arg Met Ser Ser Ser Met	510
Val Phe Thr Thr	515	Ser Lys Ser His Thr	520	Ser Pro Ala Ile Asn Asp	525
Thr Val Ile Trp	530	Asp Arg Pro Ser Arg	535	Val Gly Thr Tyr His Thr	540
Asp Cys Asn Cys	545	Phe Arg Ser Ile Asp	550	Leu Gly Trp Ser Gly Phe	555
Ile Ser His Gln	560	Met Leu Lys Arg Arg	565	Ser Phe Leu Lys Asn Asp	570
Asp Leu Ile Ile	575	Phe Val Asp Phe Glu	580	Asp Ile Thr His Leu Ser	585
Gln Thr Glu Val	590	Pro Thr Lys Gly Lys	595	Arg Leu Ser Pro Gln Gly	600
Leu Ile Leu Gln	605	Gly Gln Glu Gln Gln	610	Val Ser Glu Glu Gly Ser	615
Gly Lys Ala Met	620	Leu Glu Glu Ala Leu	625	Pro Val Ser Leu Ser Gln	630
Gly Gln Pro Ser	635	Arg Gln Lys Arg Ser	640	Val Glu Asn Thr Gly Pro	645
Leu Glu Asp His	650	Asn Trp Pro Gln Tyr	655	Phe Arg Asp Pro Cys Asp	660
Pro Asn Pro Cys	665	Gln Asn Asp Gly Ile	670	Cys Val Asn Val Lys Gly	675
Met Ala Ser Cys	680	Arg Cys Ile Ser Gly	685	His Ala Phe Phe Tyr Thr	690
Gly Glu Arg Cys	695	Gln Ala Val Gln Val	700	His Gly Ser Val Leu Gly	705
Met Val Ile Gly	710	Gly Thr Ala Gly Val	715	Ile Phe Leu Thr Phe Ser	720
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 2921920CB1

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 ggtgcagtgc agcagcagcc tcttctcttg agatgctctc gaggggaattc gaaacctgtg 180
 ccttctcctt ttcttccctg cctagaagct gcaaagaaat caaggaacgc tgccatagtg 240
 caggtgatgg cctgtatttt ctccgcacca agaatggtgt tgtctaccag accttctgtg 300
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 atgggaagtg cacggtgggt gatcgctggc ccagtcagca gggcaacaaa gcagactacc 420
 cagaggggga tggcaactgg gccaaactaca acacctttgg atctgcagag gcgggccacga 480

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ccaacactgg ctctctccag agactgggac ataattctgt tggcatctac cagaaatacc 660
cagtgaataa cagatcaggg aaatgttgga atgacaatgg cccagccata cctgtgggtct 720
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 <213> Homo sapiens

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Ser	Leu	Glu	Met	Leu	Ser	Arg	Glu	Phe	Glu	Thr	Cys	Ala	Phe	Ser	
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Phe	Ser	Ser	Leu	Pro	Arg	Ser	Cys	Lys	Glu	Ile	Lys	Glu	Arg	Cys	
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His	Ser	Ala	Gly	Asp	Gly	Leu	Tyr	Phe	Leu	Arg	Thr	Lys	Asn	Gly	
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Val	Val	Tyr	Gln	Thr	Phe	Cys	Asp	Met	Thr	Ser	Gly	Gly	Gly	Gly	
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Trp	Thr	Leu	Val	Ala	Ser	Val	His	Glu	Asn	Asp	Met	His	Gly	Lys	
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Cys	Thr	Val	Gly	Asp	Arg	Trp	Ser	Ser	Gln	Gln	Gly	Asn	Lys	Ala	
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Asp	Tyr	Pro	Glu	Gly	Asp	Gly	Asn	Trp	Ala	Asn	Tyr	Asn	Thr	Phe	
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Gly	Ser	Ala	Glu	Ala	Ala	Thr	Ser	Asp	Asp	Tyr	Lys	Asn	Pro	Gly	
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Tyr	Tyr	Asp	Ile	Gln	Ala	Lys	Asp	Leu	Gly	Ile	Trp	His	Val	Pro	
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Asn	Lys	Ser	Pro	Met	Gln	His	Trp	Arg	Asn	Ser	Ala	Leu	Leu	Arg	
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Tyr	Arg	Thr	Asn	Thr	Gly	Phe	Leu	Gln	Arg	Leu	Gly	His	Asn	Leu	
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Phe	Gly	Ile	Tyr	Gln	Lys	Tyr	Pro	Val	Lys	Tyr	Arg	Ser	Gly	Lys	
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Cys	Trp	Asn	Asp	Asn	Gly	Pro	Ala	Ile	Pro	Val	Val	Tyr	Asp	Phe	
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Gly	Asp	Ala	Lys	Lys	Thr	Ala	Ser	Tyr	Tyr	Ser	Pro	Tyr	Gly	Gln	
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Arg	Glu	Phe	Val	Ala	Gly	Phe	Val	Gln	Phe	Arg	Val	Phe	Asn	Asn	
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Glu	Arg	Ala	Ala	Asn	Ala	Leu	Cys	Ala	Gly	Ile	Lys	Val	Thr	Gly	
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Cys	Asn	Thr	Glu	His	His	Cys	Ile	Gly	Gly	Gly	Gly	Phe	Phe	Pro	
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Gln	Gly	Lys	Pro	Arg	Gln	Cys	Gly	Asp	Phe	Ser	Ala	Phe	Asp	Trp	
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Asp	Gly	Tyr	Gly	Thr	His	Val	Lys	Ser	Ser	Cys	Ser	Arg	Glu	Ile	
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 <212> DNA
 <213> Homo sapiens

<220>
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 <212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 5517972CB1

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<211> 655

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5517972CD1

<400> 35

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Phe Thr Glu Gly Ala Val Leu Ser Phe His Asn Ile Cys Tyr Arg

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Lys	Glu	Ile	Leu	Ser	Asn	Ile	Asn	Gly	Ile	Met	Lys	Pro	Gly	Leu
				65					70					75
Asn	Ala	Ile	Leu	Gly	Pro	Thr	Gly	Gly	Gly	Lys	Ser	Ser	Leu	Leu
				80					85					90
Asp	Val	Leu	Ala	Ala	Arg	Lys	Asp	Pro	Ser	Gly	Leu	Ser	Gly	Asp
				95					100					105
Val	Leu	Ile	Asn	Gly	Ala	Pro	Arg	Pro	Ala	Asn	Phe	Lys	Cys	Asn
				110					115					120
Ser	Gly	Tyr	Val	Val	Gln	Asp	Asp	Val	Val	Met	Gly	Thr	Leu	Thr
				125					130					135
Val	Arg	Glu	Asn	Leu	Gln	Phe	Ser	Ala	Ala	Leu	Arg	Leu	Ala	Thr
				140					145					150
Thr	Met	Thr	Asn	His	Glu	Lys	Asn	Glu	Arg	Ile	Asn	Arg	Val	Ile
				155					160					165
Gln	Glu	Leu	Gly	Leu	Asp	Lys	Val	Ala	Asp	Ser	Lys	Val	Gly	Thr
				170					175					180
Gln	Phe	Ile	Arg	Gly	Val	Ser	Gly	Gly	Glu	Arg	Lys	Arg	Thr	Ser
				185					190					195
Ile	Gly	Met	Glu	Leu	Ile	Thr	Asp	Pro	Ser	Ile	Leu	Phe	Leu	Asp
				200					205					210
Glu	Pro	Thr	Thr	Gly	Leu	Asp	Ser	Ser	Thr	Ala	Asn	Ala	Val	Leu
				215					220					225
Leu	Leu	Leu	Lys	Arg	Met	Ser	Lys	Gln	Gly	Arg	Thr	Ile	Ile	Phe
				230					235					240
Ser	Ile	His	Gln	Pro	Arg	Tyr	Ser	Ile	Phe	Lys	Leu	Phe	Asp	Ser
				245					250					255
Leu	Thr	Leu	Leu	Ala	Ser	Gly	Arg	Leu	Met	Phe	His	Gly	Pro	Ala
				260					265					270
Gln	Glu	Ala	Leu	Gly	Tyr	Phe	Glu	Ser	Ala	Gly	Tyr	His	Cys	Glu
				275					280					285
Ala	Tyr	Asn	Asn	Pro	Ala	Asp	Phe	Phe	Leu	Asp	Ile	Ile	Asn	Gly
				290					295					300
Asp	Ser	Thr	Ala	Val	Ala	Leu	Asn	Arg	Glu	Glu	Asp	Phe	Lys	Ala
				305					310					315
Thr	Glu	Ile	Ile	Glu	Pro	Ser	Lys	Gln	Asp	Lys	Pro	Leu	Ile	Glu
				320					325					330
Lys	Leu	Ala	Glu	Ile	Tyr	Val	Asn	Ser	Ser	Phe	Tyr	Lys	Glu	Thr
				335					340					345
Lys	Ala	Glu	Leu	His	Gln	Leu	Ser	Gly	Gly	Glu	Lys	Lys	Lys	Lys
				350					355					360
Ile	Thr	Val	Phe	Lys	Glu	Ile	Ser	Tyr	Thr	Thr	Ser	Phe	Cys	His
				365					370					375
Gln	Leu	Arg	Trp	Val	Ser	Lys	Arg	Ser	Phe	Lys	Asn	Leu	Leu	Gly
				380					385					390
Asn	Pro	Gln	Ala	Ser	Ile	Ala	Gln	Ile	Ile	Val	Thr	Val	Val	Leu
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Gly	Leu	Val	Ile	Gly	Ala	Ile	Tyr	Phe	Gly	Leu	Lys	Asn	Asp	Ser
				410					415					420
Thr	Gly	Ile	Gln	Asn	Arg	Ala	Gly	Val	Leu	Phe	Phe	Leu	Thr	Thr
				425					430					435
Asn	Gln	Cys	Phe	Ser	Ser	Val	Ser	Ala	Val	Glu	Leu	Phe	Val	Val
				440					445					450
Glu	Lys	Lys	Leu	Phe	Ile	His	Glu	Tyr	Ile	Ser	Gly	Tyr	Tyr	Arg
				455					460					465
Val	Ser	Ser	Tyr	Phe	Leu	Gly	Lys	Leu	Leu	Ser	Asp	Leu	Leu	Pro
				470					475					480
Met	Arg	Met	Leu	Pro	Ser	Ile	Ile	Phe	Thr	Cys	Ile	Val	Tyr	Phe
				485					490					495
Met	Leu	Gly	Leu	Lys	Pro	Lys	Ala	Asp	Ala	Phe	Phe	Val	Met	Met
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Phe	Thr	Leu	Met	Met	Val	Ala	Tyr	Ser	Ala	Ser	Ser	Met	Ala	Leu
				515					520					525
Ala	Ile	Ala	Ala	Gly	Gln	Ser	Val	Val	Ser	Val	Ala	Thr	Leu	Leu

Met Thr Ile Cys	530	Phe Val Phe Met Met	535	Ile Phe Ser Gly Leu Leu	540
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Val Asn Leu Thr	560	Thr Ile Ala Ser Trp	565	Leu Ser Trp Leu Gln Tyr	570
	575		580		585
Phe Ser Ile Pro	590	Arg Tyr Gly Phe Thr	595	Ala Leu Gln His Asn Glu	600
	605		610		615
Phe Leu Gly Gln	620	Asn Phe Cys Pro Gly	625	Leu Asn Ala Thr Gly Asn	630
	635		640		645
Asn Pro Cys Asn	650	Tyr Ala Thr Cys Thr	655	Gly Glu Glu Tyr Leu Val	
Lys Gln Gly Ile		Asp Leu Ser Pro Trp		Gly Leu Trp Lys Asn His	
Val Ala Leu Ala		Cys Met Ile Val Ile		Phe Leu Thr Ile Ala Tyr	
Leu Lys Leu Leu		Phe Leu Lys Lys Tyr		Ser	

<210> 36

<211> 3405

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1397781.7

<400> 36

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ctgcaggagg cagagctggc ccagcgatcc tgggggaggc cgcgccagag acgcagccgc 180
gctcccacca cccacacca ccgcgcctcg cgttcgcctc ttctccggga gccagtcctg 240
cgccaccgcc gccgccagg ccctcgccac cctccgcage catgtccacc aggtccgtgt 300
cctcgtctct ctaccgcagg atgttcggcg gcccgggcac cgcgagccgg ccgagctcca 360
gccggagcta cgtgactacg tccaccgca cctacagcct gggcagcgcg ctgcgcccc 420
gcaccagccg cagcctctac gcctcgtccc cgggcggcgt gtatgccacg cgctcctctg 480
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cctgaaaaac tgcagaaagg cacttgaaag ctgtttcttt aagatatgga tttctttttt 2220
attcttgctg gtaatatatt gctgcactga gtgtgtgcaa tttttattca aggtcatcgt 2280

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tgtaatttat tgtgcaaate agaagggtat gttgcttctg catgagtga aactagaag 2460
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<210> 37
<211> 273
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 236655.3

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tggtcacatt gctttaacce agcagggtct cggccagggg ctttccactt gaggatagca 180
gcttcactag gctggccggc cagctccaca tctgactggg ttcttacttc tcagccagta 240
cctacccta ttgcgggtct ccagctcatc ttt 273

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<210> 38
<211> 2333
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 345275.4

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<220>
<221> unsure
<222> 915-1222, 2199
<223> a, t, c, g, or other

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<400> 38
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accatccctt tcgcttctt cctgcccagag ctgatatattg gggtcttggg ctggaccatg 180
gtagccgcca ccacatagt atacccttg ctgcaaggat gggatgatga tgtctcgtc 240
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tttgaatcct ggagagttct ggacagcctg taccacggga cactggcat cctgtacatg 360
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atttactaca ttaattcggc agcctcgttc ttgccttca tcgccacgct gctctacatt 480
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tctttgaaag ctccaattat tgggtcccaa aagcagcttc caacgtttgc catctggatg 600
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gatgacacca cactttgttt ggacatttaa attcactctg ctgaatagga ggaagctttt 720
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acaactcaca tcaaagccct cactccacta atggagaatc ctagccccac taatgccaag 840
tctgtttggg gattttgcct cagctatggg ctccctaga gtaggtctag gggaaatactc 900

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agtctgatct tttttnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
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cttgaagaagc ttctatgtgt ctctccttt gttgcctggc agctgtctag gatgatcact 2280
gattactatt tactaagtag ccacatgcaa ataaaagttg tttggtaaaa tga 2333

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<210> 39

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 124600CB1

<220>

<221> unsure

<222> 1164

<223> a, t, c, g, or other

<400> 39

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gcgctgggtg attggaatct tgaagcagg gtacagtgtg aaagctgccct ggatgagcag 180
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ggagtgaata atgagaaaaa ctgggaaaaa actctgcaaa ttaatttggt ttctgttate 360
agtggaaacct atcttggttt ggattacatg agtaagcaaa atggagggtg aggcggcatc 420
attatcaata tgtcatcttt agcaggactc atgcccgttg cacagcagcc ggtttattgt 480
gcttcaaagc atggcatagt tggattcaca cgctcagcag cgttggctgc taatcttatg 540
aacagtgggtg tgagactgaa tgccatttgt ccaggctttg ttaacacagc catccttgaa 600
tcaattgaaa aagaagaaaa catgggacaa tatatagaat ataaggatca tatcaaggat 660
atgattaaat actatggaat tttggaccca ccattgattg ccaatggatt gataacactc 720
attgaagatg atgctttaaa tgggtgctatt atgaagatca caacttctaa gggaattcat 780
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accaaaggct aggttgtaat cttgatagtc taaaaatgat cacaacaaat gattttcaag 1080
gaatattcac tattctgcct tccagaaagt gtatttatat ctgggcttca aaaatatcaa 1140
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gttacacact cacattcacg ttcatacttt caaagaggaa agtcatcaac aatgacactt 1260
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tcttaggtcg atttttcgcg gcaggacaga ctcttcaag gcccataatc oggctaactc 1380
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cacttctc 1448

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PA-0038 US

<210> 40
<211> 266
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 124600CD1

<400> 40
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Gly Ile Gly Arg Ala Phe Ala Glu Ala Leu Leu Leu Lys Gly Ala
20 25 30
Lys Val Ala Leu Val Asp Trp Asn Leu Glu Ala Gly Val Gln Cys
35 40 45
Lys Ala Ala Leu Asp Glu Gln Phe Glu Pro Gln Lys Thr Leu Phe
50 55 60
Ile Gln Cys Asp Val Ala Asp Gln Gln Gln Leu Arg Asp Thr Phe
65 70 75
Arg Lys Val Val Asp His Phe Gly Arg Leu Asp Ile Leu Val Asn
80 85 90
Asn Ala Gly Val Asn Asn Glu Lys Asn Trp Glu Lys Thr Leu Gln
95 100 105
Ile Asn Leu Val Ser Val Ile Ser Gly Thr Tyr Leu Gly Leu Asp
110 115 120
Tyr Met Ser Lys Gln Asn Gly Gly Glu Gly Ile Ile Ile Asn
125 130 135
Met Ser Ser Leu Ala Gly Leu Met Pro Val Ala Gln Gln Pro Val
140 145 150
Tyr Cys Ala Ser Lys His Gly Ile Val Gly Phe Thr Arg Ser Ala
155 160 165
Ala Leu Ala Ala Asn Leu Met Asn Ser Gly Val Arg Leu Asn Ala
170 175 180
Ile Cys Pro Gly Phe Val Asn Thr Ala Ile Leu Glu Ser Ile Glu
185 190 195
Lys Glu Glu Asn Met Gly Gln Tyr Ile Glu Tyr Lys Asp His Ile
200 205 210
Lys Asp Met Ile Lys Tyr Tyr Gly Ile Leu Asp Pro Pro Leu Ile
215 220 225
Ala Asn Gly Leu Ile Thr Leu Ile Glu Asp Asp Ala Leu Asn Gly
230 235 240
Ala Ile Met Lys Ile Thr Thr Ser Lys Gly Ile His Phe Gln Asp
245 250 255
Tyr Asp Thr Thr Pro Phe Gln Ala Lys Thr Gln
260 265

<210> 41
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 978410.7

<400> 41
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taagtcagaa agaaatttta tgaattcagg taattaaaaa gtccagaagt atctgccttt 180
aggcacagct ggatccaagg gcacaaatga tgtcatcagg ctccagttat tctccatctc 240
ccagctcagc tttttctgtc tgtaagcctg attttcagga aggctctttc ctagtgatgg 300
agatgaccac catcagctcc aggcttctat cctgctaacc cagtaaccca gtgggaagag 360
atttacttat tccaataatt ccaagtggag agtgtcattg acccgtttgg ggtctcatct 420
ctacttctag gggaatgaaa cactctgagt ggccaggcct gtgtcatgtg ctaattccta 480
gagccaggga aataaggctc gaggattcag gatgggggtga aaggtggttg cttaaaggaa 540

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aatgaaatac aattagcaga ataaggggaa acgagtggtc tgctctgctc gggcaaaaaca 600
agagatgccc attactgtga gggacccttg aagtctggac tcttaaattg gtttttgcctg 660
atttcctggg tgcattgctag gatgatgggg cttgatgcag tagggaagag acgatgtaaa 720
aataataaac aatatatacc ttc                                     743

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<210> 42
<211> 830
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1401116.1

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<400> 42
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ctgtcactct gttcccgccc tctctgagg agctccaagc caacaaggcc aactagtgt 480
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ccgtcaaggc gggagtggag accaccaaac cctccaaaac gagcaacaac aagtacggc 600
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aggtcacgca tgaaggagc accgtggaga agacagtggc ccctacagaa tgttcatagg 720
ttcccaactc taacccacc cagggagcc tggagctgca ggatcccagg ggaggggtct 780
ctctcccat cccaagtcac ccagcccttc tccctgcaact catcaaacca 830

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<210> 43
<211> 2147
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2921009CB1

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<400> 43
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taaagaggag cctgaaactg ttccttggac atcttatgaa tgtcagaaaa taccttttgg 180
agggttagaa gatcagggga catggttgtt cacatttgcg gccacggaac accgccagtc 240
ttcacttggg aacagaatca cgccttgtga agagatcatc cctaagcagg agagaagcta 300
ctaaaggatt gtgtctcctt ccaccttccc tgtgctcggg ctccacctgt cteccattct 360
gtgacgatgg ttcaatggaa ggggctctgc cagctgcatt acttgtgggc tctgggctgc 420
tatatgctgc tggccactgt ggctctgaaa ctttctttca ggttgaagtg tgactctgac 480
cacttgggtc tggagtccag ggaatctcaa agccagtact gtaggaatat cttgtataat 540
ttcctgaaac ttccagcaaa gaggtctatc aactgttcag gggtcacccg aggggaccaa 600
gaggcagtg cttcaggctat tctgaataac ctggaggtca agaagaagcg agagcctttc 660
acagacaccc actacctctc cctcaccaga gactgtgagc acttcaaggc tgaaaggaag 720
ttcatcacag tcccactgag caaagaagag gtggagtcc ctattgcata ctctatgggtg 780
attcatgaga agattgaaaa ctttgaaagg ctactgcgag ctgtgtatgc cctcagaac 840
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tctgtgtcca ggggtgcaagc tgacctcaac tgcattggaag acttgctcca gagctcagtg 1020
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aagcacaag aaacccgctg gaaatatcac tttgaggtag tgagagacac attacacct 1200
accaacaaga agaaggatcc tcccccttat aatttaacta tgtttacagg gaatgcgtac 1260
attgtggctt cccgagattt cgtccaacat gttttgaaga accctaaatc ccaacaactg 1320
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gcacggtgga tgcttggtc tgttcccaac caccacaagt acgacatctc agacatgact 1440
tctattgcca ggctgggtcaa gtggcagggt catgaggggg acatcgataa ggggtgctcct 1500
tatgtccct gctctggaat ccaccagcgg gctatctgcg tttatggggc tggggacttg 1560

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aattggatgc ttcaaaacca tcacctgttg gccacaagt ttgacccaaa ggtagatgat 1620
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tgagacacac tatgagagcg ttgctacctg tggggcaaga gcatgtacaa acatgctcag 1740
aacttgctgg gacagtgtgg gtgggagacc agggctttgc aattcgtggc atcctttagg 1800
ataagagggc tgctattaga ttgtgggtaa gtagatcttt tgcttgcaa attgctgcct 1860
gggtgaatgc tgcttgttct ctcacccta accctagtag ttccctccact aactttctca 1920
ctaagtgaga atgagaactg ctgtgatagg gagagtgaag gagggatatg tggtagagca 1980
cttgatttca gttgaatgcc tgctggtagc ttttccattc tgtggagctg ccgttcctaa 2040
taattccagg tttggtagcg tggaggagaa ctttgatgga aagagaacct tcccttctgt 2100
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<210> 44

<211> 438

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2921009CD1

<400> 44

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Leu Gly Cys Tyr Met Leu Leu Ala Thr Val Ala Leu Lys Leu Ser
          20          25          30
Phe Arg Leu Lys Cys Asp Ser Asp His Leu Gly Leu Glu Ser Arg
          35          40          45
Glu Ser Gln Ser Gln Tyr Cys Arg Asn Ile Leu Tyr Asn Phe Leu
          50          55          60
Lys Leu Pro Ala Lys Arg Ser Ile Asn Cys Ser Gly Val Thr Arg
          65          70          75
Gly Asp Gln Glu Ala Val Leu Gln Ala Ile Leu Asn Asn Leu Glu
          80          85          90
Val Lys Lys Lys Arg Glu Pro Phe Thr Asp Thr His Tyr Leu Ser
          95          100          105
Leu Thr Arg Asp Cys Glu His Phe Lys Ala Glu Arg Lys Phe Ile
          110          115          120
Gln Phe Pro Leu Ser Lys Glu Glu Val Glu Phe Pro Ile Ala Tyr
          125          130          135
Ser Met Val Ile His Glu Lys Ile Glu Asn Phe Glu Arg Leu Leu
          140          145          150
Arg Ala Val Tyr Ala Pro Gln Asn Ile Tyr Cys Val His Val Asp
          155          160          165
Glu Lys Ser Pro Glu Thr Phe Lys Glu Ala Val Lys Ala Ile Ile
          170          175          180
Ser Cys Phe Pro Asn Val Phe Ile Ala Ser Lys Leu Val Arg Val
          185          190          195
Val Tyr Ala Ser Trp Ser Arg Val Gln Ala Asp Leu Asn Cys Met
          200          205          210
Glu Asp Leu Leu Gln Ser Ser Val Pro Trp Lys Tyr Phe Leu Asn
          215          220          225
Thr Cys Gly Thr Asp Phe Pro Ile Lys Ser Asn Ala Glu Met Val
          230          235          240
Gln Ala Leu Lys Met Leu Asn Gly Arg Asn Ser Met Glu Ser Glu
          245          250          255
Val Pro Pro Lys His Lys Glu Thr Arg Trp Lys Tyr His Phe Glu
          260          265          270
Val Val Arg Asp Thr Leu His Leu Thr Asn Lys Lys Lys Asp Pro
          275          280          285
Pro Pro Tyr Asn Leu Thr Met Phe Thr Gly Asn Ala Tyr Ile Val
          290          295          300
Ala Ser Arg Asp Phe Val Gln His Val Leu Lys Asn Pro Lys Ser
          305          310          315
Gln Gln Leu Ile Glu Trp Val Lys Asp Thr Tyr Ser Pro Asp Glu
          320          325          330
His Leu Trp Ala Thr Leu Gln Arg Ala Arg Trp Met Pro Gly Ser

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Val	Pro	Asn	His	335	Pro	Lys	Tyr	Asp	Ile	340	Ser	Asp	Met	Thr	Ser	Ile	345
				350						355							360
Ala	Arg	Leu	Val	365	Lys	Trp	Gln	Gly	His	370	Glu	Gly	Asp	Ile	Asp	Lys	375
Gly	Ala	Pro	Tyr	380	Ala	Pro	Cys	Ser	Gly	385	Ile	His	Gln	Arg	Ala	Ile	390
Cys	Val	Tyr	Gly	395	Ala	Gly	Asp	Leu	Asn	400	Trp	Met	Leu	Gln	Asn	His	405
His	Leu	Leu	Ala	410	Asn	Lys	Phe	Asp	Pro	415	Lys	Val	Asp	Asp	Asn	Ala	420
Leu	Gln	Cys	Leu	425	Glu	Glu	Tyr	Leu	Arg	430	Tyr	Lys	Ala	Ile	Tyr	Gly	435
Thr	Glu	Leu															

<210> 45
 <211> 2150
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 255115.4

<220>
 <221> unsure
 <222> 2087, 2089, 2094, 2096-2098, 2108, 2110, 2112, 2115-2116, 2120, 2122-2123, 2125, 2136
 <223> a, t, c, g, or other

<400> 45
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 ggaaagggtgc tgggtgtggcc cacagaatac agccattgga taaatatgaa gacaatcctg 180
 gaagagcttg ttcagagggg tcatgaggtg atttgtttga catcttcggc ttctattctt 240
 gtcaatgccca gtaaatcatc tgctattaaa ttagaagttt atcctacatc ttttaactaaa 300
 aatgatttgg aagatttttt tatgaaaatg ttcgatagat ggacatatag tatttcaaaa 360
 aatacatattt ggtcatattt ttcacaacta caagaattgt gttgggaata ttctgactat 420
 aatataaagc tctgtgaaga tgcagttttg aacaagaaac ttatgagaaa actacaagag 480
 tcaaaatttg atgtccttct ggcagatgcc gttaatccct gtgggtgagct gctggctgaa 540
 ctacttaaca taccctttct gtacagtctc cgcttctctg ttggctacac agttgagaag 600
 aatgggtggag gatttctgtt cctccttcc tatgtacctg ttgttatgtc agaattaagt 660
 gatcaaataa ttttcatgga gaggataaaa aatatgatat atatgcttta ttttgacttt 720
 tggtttcaag catatgatct gaagaagtgg gaccagtttt atagtgaagt tctaggaaga 780
 cccactacat tatttgagac aatggggaaa gctgaaatgt ggctcattcg aacctattgg 840
 gattttgaat ttctcgcgcc attcttacca aatgttgatt ttgttgaggg acttcaactgt 900
 aaaccagcca aacccttgcc taaggaaatg gaagagtttg tgcagagctc tggagaaaat 960
 ggtattgtgg tgttttctct ggggtcgatg atcagtaaca tgtcagaaga aagtgccaac 1020
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 gccaaatact ttaggttcca atactcgact gtacaagtgg ttaccccaga atgaccttct 1140
 tggtcacccc aaaaccaaag cttttataac tcatgggtgga accaatggca tctatgaggc 1200
 aatcatccat gggatcccta tgggtggcat tccctgttt gcggatcaac atgataacat 1260
 tgctcacatg aaagccaagg gaggagccct cagtgtggac atcaggacca tgtcaagtag 1320
 agatttgctc aatgcattga agtcagtcac taatgaccct atctataaag agaatatcat 1380
 gaaattatca agaattcatc atgatcaacc ggtgaagccc ctggatcgag cagtcttctg 1440
 gattgagttt gtcatgcgcc ataaaggagc caagcacctt cgggtcgcag cccacaacct 1500
 cacctgggac cagtaccact ctttggatgt gatagcattc ctgctggcct gcgtggcaac 1560
 tatgatattt atgatcaca aatgttgctt gttttgttgc cgaaagcttg ccaaaacagg 1620
 aaagaagaag aaaagggatt agttatatca aaagcctgaa gtggaatgac caaaagatgg 1680
 gactcctcct ttattccagc atggagggtt ttaaatggag gatttccctt ttctcgcgac 1740
 aaaacgtctt ttcacaactt accctgttaa gtcaaaattt attttccagg aatttaatat 1800
 gtactttagt tggattatct ctatgtcaat gatttttaag ctatgaaaaa taataatata 1860
 aaaccttatg ggcttatatt gaaattttat atttctaacc aaaagttacc ccacacaaaa 1920
 gttactgagc ttcttatgtt ttcacacatt gtatttgatc acaaaacatt aacaactcca 1980
 ctcatagtat caacattggt ttgcaaatat tcagaatatt ttggcttcat tttgagcaga 2040


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atttttgttt ttaattttgc caatgaaatc ttcaataatt aaaaaanana aaanannnaa 2100
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<210> 46
<211> 764
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 1213592.1

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<220>
<221> unsure
<222> 692
<223> a, t, c, g, or other

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tagtgtccgt gtccccagga cagacagcca acatcacctg ctctgcagga tcaattgggg 180
agtacatttg cttcttggtg tcagcagaag ccagggtcagt cccctgtgtt ggatcatctat 240
caggataaca agcgggcctc agggatctct gagcgattct ctgggtccaa ctctgggaac 300
actgccactc tgaccatcac cgagaccagc gctacggatg aggetgacta ttattgtcag 360
gcgtgggaca gcagggcatt ggggtgttcg gcggagggac caagctgacc gtcctaggtc 420
agcccaaggc tgccccctcg gtcactctgt tccccccctc ctctgaggag cttcaagcca 480
acaaggccac actggtgtgt ctcataagtg acttctaccc gggagccgtg acagtggcct 540
ggaaggcaga tagcagcccc gtcaaggcgg gagtggagac caccacacc tccaaacca 600
agcaaccaac caaggtacgg gggccagcag ctatctgagc ctgacgctg agccagtggg 660
aagtccaca gaagctacag ctgccaggtc anggcatgaa ggggagcacc gtgggaggaa 720
ggacagtggc cccttacaag aatgtttcat aggtttcttc aacc 764

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<210> 47
<211> 1764
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 1376382CB1

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<400> 47
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gctccggcct cgggctgccc gtggcgcccg caggcggcag gaatcctct cgggcgatag 180
gacagttttg gcatgtgact gacttacact tagaccctac ttaccacatc acagatgacc 240
acacaaaagt gtgtgcttca tctaaagggt caaatgcctc caacctggc ccttttggag 300
atgtttctgt tgattctcca tatcaactta ttttgtcagc atttgatttt attaaaaatt 360
ctggacaaga agcatctttc atgatatgga caggggatag cccacctcat gttcctgtac 420
ctgaactctc aacagacact gttataaatg tgatcactaa tatgacaacc accatccaga 480
gtctctttcc aaatctccag gttttccctg cgctgggtaa tcatgactat tggccacagg 540
atcaactgcc tgtagtcacc agtaaagtgt acaatgcagt agcaaaccctc tggaaaccat 600
ggctagatga agaagctatt agtactttaa ggaaagggtg tttttattca cagaaagtta 660
caactaatcc aaaccttagg atcatcagtc taaacacaaa cttgtactac ggcccaata 720
taatgacact gaacaagact gaccagcca accagtttga atggctagaa agtacattga 780
acaactctca gcagaataag gagaagggtg atatcatagc acatgttcca gtggggtatc 840
tgccatcttc acagaacatc acagcaatga gagaatacta taatgagaaa ttgatagata 900
tttttcaaaa atacagtgat gtcattgcag gacaatttta tggacacact cacagagaca 960
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ctgttacacc agtgaagagt gttttagaaa aacagaccaa caatcctggg atcagactgt 1080
ttcagtatga tctcgtgat tataaattat tggatatgtt gcagtattac ttgaatctga 1140
cagagggcga tctaaaggga gagtccatct ggaagctgga gtatatcctg acccagacct 1200
acgacattga agatttgcag ccggaaagtt tatatggatt agctaaacaa tttacaatcc 1260
tagacagtaa gcagtttata aaatactaca attacttctt tgtgagttat gacagcagtg 1320
taacatgtga taagacatgt aaggcctttc agatttgtgc aattatgaat cttgataata 1380
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<210> 48
<211> 453
<212> PRT
<213> Homo sapiens
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<400> 48

38

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	380		385		390
Leu Ala Lys Gln	Phe Thr Ile Leu Asp	Ser Lys Gln Phe Ile	Lys		
	395		400		405
Tyr Tyr Asn Tyr	Phe Phe Val Ser Tyr	Asp Ser Ser Val Thr	Cys		
	410		415		420
Asp Lys Thr Cys	Lys Ala Phe Gln Ile	Cys Ala Ile Met Asn	Leu		
	425		430		435
Asp Asn Ile Ser	Tyr Ala Asp Cys Leu	Lys Gln Leu Tyr Ile	Lys		
	440		445		450
His Asn Tyr					

<210> 49
 <211> 2107
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2264641CB1

<400> 49
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 agccatgaat ggtgccggcc ctggccccgc cgcagccgcc ccggtcccag tcccggctcc 180
 ggtcccggac tggcggcagt tctgcgagct gcatgcgcag gcggccgccg tggactttgc 240
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 cgtgctggtg gctgggccga cactcggggc cgcggccgtg agcgcagagg ccatggagcc 420
 ggagctcgcg gacacctctg cactcaaggc ggcgctctac ggccactcgc ggagctcgga 480
 ggagctgtcc acgcacgcgg ccaccaaggc ccgcgttcgc aagggttctt cgtgcccga 540
 catgagcctg tgcgtggtgg acggcgctgc cgacatgtgg caccggcgcg cctgcccga 600
 gccgcagcgg gcagctgccc cgcgcaccgc cgagccccgc gacaagtggg ccggggcgct 660
 gaggtgtctg cggacgtggg ctgccaaggt ggagctggtg gacattcaac gcgagggggc 720
 gctgcgcttc atggtggccg acgacgcggc cgcgggctcc gggggctcgg ctcatgtgga 780
 gaagtgcgcg ctgctcctgc gcagggctgt ggccgaggaa cgcttcgcgc tggagttctt 840
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 ccgaggaggg tgtctggcca gccgcgtggc ctctgcagc tgtgagctcc tgactgatgc 1140
 agtcgacctg ccccgcccc cagagacgac agcgtgggtg gcagtggtga cagcccccca 1200
 cagccgaggt cgagatgcgg tcagagaatc cctgatccac gtcccgttag agacctttct 1260
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 tgcagagacg gatccccgag ctgaaccgga gctggagcta tccgactacc catggttcca 1380
 cgggacactg tcccgggtca aggtgctca actggttctg gcaggggggc cccggaacca 1440
 cggcctcttc gtgatccgcc aaagtgcgac tcggcctggg gactacgtgc tgaccttcaa 1500
 cttccagggc aaggccaagc acctgcgcct gtccctgaac ggccacggcc agtgtcacgt 1560
 acagcatctg tggttccagt ctgtgcttga catgtccgc cacttcacac cacaccccat 1620
 cccactggag tcagggggct cggccgacat cacccttcgc agctatgtgc gggcccagga 1680
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 gccctccgac gccgcggcg cctcctctgc ttccgcctcg tcgtctcttg ccgcgtcggg 1860
 gccgccccc ccgcgccccg tcgagggcca gctcagcgcg cggagccgca gcaacagcgc 1920
 cgagcgctg ctggaggccg tggccgccac cgcgcgcgag gagccccgg aggcgcgcgc 1980
 cggccgcgcg cgcgcgctgg agaaccagta ctctttctac tagcccgcg cgcgcgcgcg 2040
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 tgcaaaa 2107

<210> 50
 <211> 632
 <212> PRT
 <213> Homo sapiens

<223> Incyte ID No: 2264641CD1

Met	Asn	Gly	Ala	Gly	Pro	Gly	Pro	Ala	Ala	Ala	Ala	Pro	Val	Pro
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Val	Pro	Val	Pro	Val	Pro	Asp	Trp	Arg	Gln	Phe	Cys	Glu	Leu	His
				20					25					30
Ala	Gln	Ala	Ala	Ala	Val	Asp	Phe	Ala	His	Lys	Phe	Cys	Arg	Phe
				35					40					45
Leu	Arg	Asp	Asn	Pro	Ala	Tyr	Asp	Thr	Pro	Asp	Ala	Gly	Ala	Ser
				50					55					60
Phe	Ser	Arg	His	Phe	Ala	Ala	Asn	Phe	Leu	Asp	Val	Phe	Gly	Glu
				65					70					75
Glu	Val	Arg	Arg	Val	Leu	Val	Ala	Gly	Pro	Thr	Thr	Arg	Gly	Ala
				80					85					90
Ala	Val	Ser	Ala	Glu	Ala	Met	Glu	Pro	Glu	Leu	Ala	Asp	Thr	Ser
				95					100					105
Ala	Leu	Lys	Ala	Ala	Ser	Tyr	Gly	His	Ser	Arg	Ser	Ser	Glu	Asp
				110					115					120
Val	Ser	Thr	His	Ala	Ala	Thr	Lys	Ala	Arg	Val	Arg	Lys	Gly	Phe
				125					130					135
Ser	Leu	Arg	Asn	Met	Ser	Leu	Cys	Val	Val	Asp	Gly	Val	Arg	Asp
				140					145					150
Met	Trp	His	Arg	Arg	Ala	Ser	Pro	Glu	Pro	Asp	Ala	Ala	Ala	Ala
				155					160					165
Pro	Arg	Thr	Ala	Glu	Pro	Arg	Asp	Lys	Trp	Thr	Arg	Arg	Leu	Arg
				170					175					180
Leu	Ser	Arg	Thr	Leu	Ala	Ala	Lys	Val	Glu	Leu	Val	Asp	Ile	Gln
				185					190					195
Arg	Glu	Gly	Ala	Leu	Arg	Phe	Met	Val	Ala	Asp	Asp	Ala	Ala	Ala
				200					205					210
Gly	Ser	Gly	Gly	Ser	Ala	Gln	Trp	Gln	Lys	Cys	Arg	Leu	Leu	Leu
				215					220					225
Arg	Arg	Ala	Val	Ala	Glu	Glu	Arg	Phe	Arg	Leu	Glu	Phe	Phe	Val
				230					235					240
Pro	Pro	Lys	Ala	Ser	Ser	Arg	Pro	Lys	Val	Ser	Ile	Pro	Leu	Ser
				245					250					255
Ile	Ile	Glu	Val	Arg	Thr	Thr	Met	Pro	Leu	Glu	Met	Pro	Glu	Lys
				260					265					270
Asp	Asn	Thr	Phe	Val	Leu	Lys	Val	Glu	Asn	Gly	Ala	Glu	Tyr	Ile
				275					280					285
Leu	Glu	Thr	Ile	Asp	Ser	Leu	Gln	Lys	His	Ser	Trp	Val	Ala	Asp
				290					295					300
Ile	Gln	Gly	Cys	Val	Asp	Pro	Gly	Asp	Ser	Glu	Glu	Asp	Thr	Glu
				305					310					315
Leu	Ser	Cys	Thr	Arg	Gly	Gly	Cys	Leu	Ala	Ser	Arg	Val	Ala	Ser
				320					325					330
Cys	Ser	Cys	Glu	Leu	Leu	Thr	Asp	Ala	Val	Asp	Leu	Pro	Arg	Pro
				335					340					345
Pro	Glu	Thr	Thr	Ala	Val	Gly	Ala	Val	Val	Thr	Ala	Pro	His	Ser

	455		460		465
His Leu Arg Leu	Ser Leu Asn Gly	His Gly Gln Cys His Val	Gln		
	470		475		480
His Leu Trp Phe	Gln Ser Val Leu Asp	Met Leu Arg His Phe	His		
	485		490		495
Thr His Pro Ile	Pro Leu Glu Ser Gly	Gly Ser Ala Asp Ile	Thr		
	500		505		510
Leu Arg Ser Tyr	Val Arg Ala Gln Asp	Pro Pro Pro Glu Pro	Gly		
	515		520		525
Pro Thr Pro Pro	Ala Ala Pro Ala Ser	Pro Ala Cys Trp Ser	Asp		
	530		535		540
Ser Pro Gly Gln	His Tyr Phe Ser Ser	Leu Ala Ala Ala Ala	Cys		
	545		550		555
Pro Pro Ala Ser	Pro Ser Asp Ala Ala	Gly Ala Ser Ser Ser	Ser		
	560		565		570
Ala Ser Ser Ser	Ser Ala Ala Ser Gly	Pro Ala Pro Pro Arg	Pro		
	575		580		585
Val Glu Gly Gln	Leu Ser Ala Arg Ser	Arg Ser Asn Ser Ala	Glu		
	590		595		600
Arg Leu Leu Glu	Ala Val Ala Ala Thr	Ala Ala Glu Glu Pro	Pro		
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50 55 60
Gly Gly Gly Asp Leu Phe Val Gly Asn Glu Lys Met Ala Met Gln
65 70 75
Asn Leu Asn Asp Arg Leu Ala Ser Tyr Leu Glu Lys Val Arg Thr
80 85 90
Leu Glu Gln Ser Asn Ser Lys Leu Glu Val Gln Ile Lys Gln Trp
95 100 105
Tyr Glu Thr Asn Ala Pro Arg Ala Gly Arg Asp Tyr Ser Ala Tyr
110 115 120
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Ala Ala Glu Asp Phe Arg Leu Lys Tyr Glu Thr Glu Arg Gly Ile
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Arg Leu Thr Val Glu Ala Asp Leu Gln Gly Leu Asn Lys Val Phe
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Asp Asp Leu Thr Leu His Lys Thr Asp Leu Glu Ile Gln Ile Glu
185 190 195
Glu Leu Asn Lys Asp Leu Ala Leu Leu Lys Lys Glu His Gln Glu
200 205 210
Glu Val Asp Gly Leu His Lys His Leu Gly Asn Thr Val Asn Val
215 220 225
Glu Val Asp Ala Ala Pro Gly Leu Asn Leu Gly Val Ile Met Asn
230 235 240
Glu Met Arg Gln Lys Tyr Glu Val Met Ala Gln Lys Asn Leu Gln
245 250 255
Glu Ala Lys Glu Gln Phe Glu Arg Gln Thr Ala Val Leu Gln Gln
260 265 270
Gln Val Thr Val Asn Thr Glu Glu Leu Lys Gly Thr Glu Val Gln
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Leu Thr Glu Leu Arg Arg Thr Ser Gln Ser Leu Glu Ile Glu Leu
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Glu Thr Lys Ala Arg Tyr Ser Ser Gln Leu Ala Asn Leu Gln Ser
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335 340 345
Met Glu Arg Gln Asn Asn Glu Tyr His Ile Leu Leu Asp Ile Lys
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Thr Arg Leu Glu Gln Glu Ile Ala Thr Tyr Arg Arg Leu Leu Glu
365 370 375
Gly Glu Asp Val Lys Thr Thr Glu Tyr Gln Leu Ser Thr Leu Glu
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Glu Arg Asp Ile Lys Lys Thr Arg Lys Ile Lys Thr Val Val Gln

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Glu	Lys	Ile	Ile	Glu	Gln	Ile	Glu	Asp	Met	Val	Thr	Thr	Ala	Ser	60	65	70	75
Thr	Tyr	Leu	Phe	Glu	Ala	Thr	Glu	Lys	Arg	Phe	Phe	Phe	Lys	Asn	80	85	90	95
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Lys	Arg	Pro	Lys	His	Glu	Asn	His	Lys	His	Ala	Asp	Val	Ile	Val	120	125	130	135
Ala	Pro	Pro	Thr	Leu	Pro	Gly	Arg	Asp	Glu	Pro	Tyr	Thr	Lys	Gln	140	145	150	155
Phe	Thr	Glu	Cys	Gly	Glu	Lys	Gly	Glu	Tyr	Ile	His	Phe	Thr	Pro	160	165	170	175
Asp	Leu	Leu	Leu	Gly	Lys	Lys	Gln	Asn	Glu	Tyr	Gly	Pro	Pro	Gly	180	185	190	195
Lys	Leu	Phe	Val	His	Glu	Trp	Ala	His	Leu	Arg	Trp	Gly	Val	Phe	200	205	210	215
Asp	Glu	Tyr	Asn	Glu	Asp	Gln	Pro	Phe	Tyr	Arg	Ala	Lys	Ser	Lys	220	225	230	235
Lys	Ile	Glu	Ala	Thr	Arg	Cys	Ser	Ala	Gly	Ile	Ser	Gly	Arg	Asn	240	245	250	255
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Arg	Ile	Asp	Ser	Thr	Thr	Lys	Leu	Tyr	Gly	Lys	Asp	Cys	Gln	Phe	280	285	290	295
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Gln	Ser	Ile	Asp	Ser	Val	Val	Glu	Phe	Cys	Asn	Glu	Lys	Thr	His	320	325	330	335
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Lys	His	Phe	Leu	Leu	Gln	Thr	Val	Glu	Asn	Gly	Ser	Trp	Val	Gly				
Met	Val	His	Phe	Asp	Ser	Thr	Ala	Thr	Ile	Val	Asn	Lys	Leu	Ile				
Gln	Ile	Lys	Ser	Ser	Asp	Glu	Arg	Asn	Thr	Leu	Met	Ala	Gly	Leu				
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Ser	Glu	Val	Leu	Leu	Leu	Thr	Asp	Gly	Glu	Asp	Asn	Thr	Ala	Ser
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Ser	Cys	Ile	Asp	Glu	Val	Lys	Gln	Ser	Gly	Ala	Ile	Val	His	Phe
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Ile	Ala	Leu	Gly	Arg	Ala	Ala	Asp	Glu	Ala	Val	Ile	Glu	Met	Ser
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Lys	Ile	Thr	Gly	Gly	Ser	His	Phe	Tyr	Val	Ser	Asp	Glu	Ala	Gln
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Asn	Asn	Gly	Leu	Ile	Asp	Ala	Phe	Gly	Ala	Leu	Thr	Ser	Gly	Asn
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Thr	Asp	Leu	Ser	Gln	Lys	Ser	Leu	Gln	Leu	Glu	Ser	Lys	Gly	Leu
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Thr	Leu	Asn	Ser	Asn	Ala	Trp	Met	Asn	Asp	Thr	Val	Ile	Ile	Asp
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Ala	Ala	Asn	Ser	Ser	Val	Pro	Pro	Ile	Thr	Val	Asn	Ala	Lys	Met
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<223> Incyte ID No: 253986.17

<400> 57

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<210> 58

<211> 3149

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2680109CB1

<400> 58

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<210> 59

<211> 764

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2680109CD1

<400> 59

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 35 40 45
 Ser Val Asn Arg His Thr Arg Lys Tyr Trp Cys Arg Gln Gly Ala
 50 55 60
 Arg Gly Gly Cys Ile Thr Leu Ile Ser Ser Glu Gly Tyr Val Ser
 65 70 75
 Ser Lys Tyr Ala Gly Arg Ala Asn Leu Thr Asn Phe Pro Glu Asn
 80 85 90
 Gly Thr Phe Val Val Asn Ile Ala Gln Leu Ser Gln Asp Asp Ser
 95 100 105
 Gly Arg Tyr Lys Cys Gly Leu Gly Ile Asn Ser Arg Gly Leu Ser
 110 115 120
 Phe Asp Val Ser Leu Glu Val Ser Gln Gly Pro Gly Leu Leu Asn
 125 130 135
 Asp Thr Lys Val Tyr Thr Val Asp Leu Gly Arg Thr Val Thr Ile
 140 145 150
 Asn Cys Pro Phe Lys Thr Glu Asn Ala Gln Lys Arg Lys Ser Leu
 155 160 165
 Tyr Lys Gln Ile Gly Leu Tyr Pro Val Leu Val Ile Asp Ser Ser
 170 175 180
 Gly Tyr Val Asn Pro Asn Tyr Thr Gly Arg Ile Arg Leu Asp Ile
 185 190 195

Gln	Gly	Thr	Gly	Gln	Leu	Leu	Phe	Ser	Val	Val	Ile	Asn	Gln	Leu
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Arg	Leu	Ser	Asp	Ala	Gly	Gln	Tyr	Leu	Cys	Gln	Ala	Gly	Asp	Asp
				215					220					225
Ser	Asn	Ser	Asn	Lys	Lys	Asn	Ala	Asp	Leu	Gln	Val	Leu	Lys	Pro
				230					235					240
Glu	Pro	Glu	Leu	Val	Tyr	Glu	Asp	Leu	Arg	Gly	Ser	Val	Thr	Phe
				245					250					255
His	Cys	Ala	Leu	Gly	Pro	Glu	Val	Ala	Asn	Val	Ala	Lys	Phe	Leu
				260					265					270
Cys	Arg	Gln	Ser	Ser	Gly	Glu	Asn	Cys	Asp	Val	Val	Val	Asn	Thr
				275					280					285
Leu	Gly	Lys	Arg	Ala	Pro	Ala	Phe	Glu	Gly	Arg	Ile	Leu	Leu	Asn
				290					295					300
Pro	Gln	Asp	Lys	Asp	Gly	Ser	Phe	Ser	Val	Val	Ile	Thr	Gly	Leu
				305					310					315
Arg	Lys	Glu	Asp	Ala	Gly	Arg	Tyr	Leu	Cys	Gly	Ala	His	Ser	Asp
				320					325					330
Gly	Gln	Leu	Gln	Glu	Gly	Ser	Pro	Ile	Gln	Ala	Trp	Gln	Leu	Phe
				335					340					345
Val	Asn	Glu	Glu	Ser	Thr	Ile	Pro	Arg	Ser	Pro	Thr	Val	Val	Lys
				350					355					360
Gly	Val	Ala	Gly	Ser	Ser	Val	Ala	Val	Leu	Cys	Pro	Tyr	Asn	Arg
				365					370					375
Lys	Glu	Ser	Lys	Ser	Ile	Lys	Tyr	Trp	Cys	Leu	Trp	Glu	Gly	Ala
				380					385					390
Gln	Asn	Gly	Arg	Cys	Pro	Leu	Leu	Val	Asp	Ser	Glu	Gly	Trp	Val
				395					400					405
Lys	Ala	Gln	Tyr	Glu	Gly	Arg	Leu	Ser	Leu	Leu	Glu	Glu	Pro	Gly
				410					415					420
Asn	Gly	Thr	Phe	Thr	Val	Ile	Leu	Asn	Gln	Leu	Thr	Ser	Arg	Asp
				425					430					435
Ala	Gly	Phe	Tyr	Trp	Cys	Leu	Thr	Asn	Gly	Asp	Thr	Leu	Trp	Arg
				440					445					450
Thr	Thr	Val	Glu	Ile	Lys	Ile	Ile	Glu	Gly	Glu	Pro	Asn	Leu	Lys
				455					460					465
Val	Pro	Gly	Asn	Val	Thr	Ala	Val	Leu	Gly	Glu	Thr	Leu	Lys	Val
				470					475					480
Pro	Cys	His	Phe	Pro	Cys	Lys	Phe	Ser	Ser	Tyr	Glu	Lys	Tyr	Trp
				485					490					495
Cys	Lys	Trp	Asn	Asn	Thr	Gly	Cys	Gln	Ala	Leu	Pro	Ser	Gln	Asp
				500					505					510
Glu	Gly	Pro	Ser	Lys	Ala	Phe	Val	Asn	Cys	Asp	Glu	Asn	Ser	Arg
				515					520					525
Leu	Val	Ser	Leu	Thr	Leu	Asn	Leu	Val	Thr	Arg	Ala	Asp	Glu	Gly
				530					535					540
Trp	Tyr	Trp	Cys	Gly	Val	Lys	Gln	Gly	His	Phe	Tyr	Gly	Glu	Thr
				545					550					555
Ala	Ala	Val	Tyr	Val	Ala	Val	Glu	Glu	Arg	Lys	Ala	Ala	Gly	Ser
				560					565					570
Arg	Asp	Val	Ser	Leu	Ala	Lys	Ala	Asp	Ala	Ala	Pro	Asp	Glu	Lys
				575					580					585
Val	Leu	Asp	Ser	Gly	Phe	Arg	Glu	Ile	Glu	Asn	Lys	Ala	Ile	Gln
				590					595					600
Asp	Pro	Arg	Leu	Phe	Ala	Glu	Glu	Lys	Ala	Val	Ala	Asp	Thr	Arg
				605					610					615
Asp	Gln	Ala	Asp	Gly	Ser	Arg	Ala	Ser	Val	Asp	Ser	Gly	Ser	Ser
				620					625					630
Glu	Glu	Gln	Gly	Gly	Ser	Ser	Arg	Ala	Leu	Val	Ser	Thr	Leu	Val
				635					640					645
Pro	Leu	Gly	Leu	Val	Leu	Ala	Val	Gly	Ala	Val	Ala	Val	Gly	Val
				650					655					660
Ala	Arg	Ala	Arg	His	Arg	Lys	Asn	Val	Asp	Arg	Val	Ser	Ile	Arg
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Ser	Tyr	Arg	Thr	Asp	Ile	Ser	Met	Ser	Asp	Phe	Glu	Asn	Ser	Arg
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Glu Phe Gly Ala Asn Asp Asn Met Gly Ala Ser Ser Ile Thr Gln
695 700 705
Glu Thr Ser Leu Gly Gly Lys Glu Glu Phe Val Ala Thr Thr Glu
710 715 720
Ser Thr Thr Glu Thr Lys Glu Pro Lys Lys Ala Lys Arg Ser Ser
725 730 735
Lys Glu Glu Ala Glu Met Ala Tyr Lys Asp Phe Leu Leu Gln Ser
740 745 750
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<210> 60

<211> 655

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1800311CB1

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<210> 61

<211> 115

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1800311CD1

<400> 61

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20 25 30
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35 40 45
Gln Glu Pro Arg Val Gly Lys Leu Arg Asn Phe Ala Pro Ile Pro
50 55 60
Gly Glu Pro Val Val Pro Ile Leu Cys Ser Asn Pro Asn Phe Pro
65 70 75
Glu Glu Leu Lys Pro Leu Cys Lys Glu Pro Asn Ala Gln Glu Ile
80 85 90
Leu Gln Arg Leu Glu Glu Ile Ala Glu Asp Pro Gly Thr Cys Glu
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<210> 62

<211> 1312

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1804734CB1

<400> 62

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<211> 262

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1804734CD1

<400> 63

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35 40 45
Ser Ala Leu Phe Ile Phe Ile Gly Cys Leu Ser Val Ile Glu Asn
50 55 60
Gly Thr Asp Thr Gly Leu Leu Gln Pro Ala Leu Ala His Gly Leu
65 70 75
Ala Leu Gly Leu Val Ile Ala Thr Leu Gly Asn Ile Ser Gly Gly
80 85 90
His Phe Asn Pro Ala Val Ser Leu Ala Ala Met Leu Ile Gly Gly
95 100 105
Leu Asn Leu Val Met Leu Leu Pro Tyr Trp Val Ser Gln Leu Leu
110 115 120
Gly Gly Met Leu Gly Ala Ala Leu Ala Lys Ala Val Ser Pro Glu
125 130 135
Glu Arg Phe Trp Asn Ala Ser Gly Ala Ala Phe Val Thr Val Gln
140 145 150
Glu Gln Gly Gln Val Ala Gly Ala Leu Val Ala Glu Ile Ile Leu
155 160 165
Thr Thr Leu Leu Ala Leu Ala Val Cys Met Gly Ala Ile Asn Glu
170 175 180
Lys Thr Lys Gly Pro Leu Ala Pro Phe Ser Ile Gly Phe Ala Val
185 190 195
Thr Val Asp Ile Leu Ala Gly Gly Pro Val Ser Gly Gly Cys Met
200 205 210
Asn Pro Ala Arg Ala Phe Gly Pro Ala Val Ala Asn His Trp

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	215		220		225
Asn Phe His Trp	Ile Tyr Trp Leu Gly	Pro Leu Leu Ala Gly	Leu		
	230		235		240
Leu Val Gly Leu	Leu Ile Arg Cys Phe	Ile Gly Asp Gly Lys	Thr		
	245		250		255
Arg Leu Ile Leu	Lys Ala Arg				
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<210> 64
 <211> 1556
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3231154CB1

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 ctgaggagct cactgccaa tccagctgag gctgggcaga ggtgggtgag aagagggaaa 180
 attgcaggga cctccagttg ggccaggcca gaagctgctg tagctttaac cagacagctc 240
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<210> 65
 <211> 319
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3231154CD1

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 Leu Arg Ala Ser Gln Gly Lys Ser Val Thr Leu Pro Cys Thr Tyr
 35 40 45
 His Thr Ser Thr Ser Ser Arg Glu Gly Leu Ile Gln Trp Asp Lys
 50 55 60
 Leu Leu Leu Thr His Thr Glu Arg Val Val Ile Trp Pro Phe Ser
 65 70 75
 Asn Lys Asn Tyr Ile His Gly Glu Leu Tyr Lys Asn Arg Val Ser

				80					85					90
Ile	Ser	Asn	Asn	Ala	Glu	Gln	Ser	Asp	Ala	Ser	Ile	Thr	Ile	Asp
				95					100					105
Gln	Leu	Thr	Met	Ala	Asp	Asn	Gly	Thr	Tyr	Glu	Cys	Ser	Val	Ser
				110					115					120
Leu	Met	Ser	Asp	Leu	Glu	Gly	Asn	Thr	Lys	Ser	Arg	Val	Arg	Leu
				125					130					135
Leu	Val	Leu	Val	Pro	Pro	Ser	Lys	Pro	Glu	Cys	Gly	Ile	Glu	Gly
				140					145					150
Glu	Thr	Ile	Ile	Gly	Asn	Asn	Ile	Gln	Leu	Thr	Cys	Gln	Ser	Lys
				155					160					165
Glu	Gly	Ser	Pro	Thr	Pro	Gln	Tyr	Ser	Trp	Lys	Arg	Tyr	Asn	Ile
				170					175					180
Leu	Asn	Gln	Glu	Gln	Pro	Leu	Ala	Gln	Pro	Ala	Ser	Gly	Gln	Pro
				185					190					195
Val	Ser	Leu	Lys	Asn	Ile	Ser	Thr	Asp	Thr	Ser	Gly	Tyr	Tyr	Ile
				200					205					210
Cys	Thr	Ser	Ser	Asn	Glu	Glu	Gly	Thr	Gln	Phe	Cys	Asn	Ile	Thr
				215					220					225
Val	Ala	Val	Arg	Ser	Pro	Ser	Met	Asn	Val	Ala	Leu	Tyr	Val	Gly
				230					235					240
Ile	Ala	Val	Gly	Val	Val	Ala	Ala	Leu	Ile	Ile	Ile	Gly	Ile	Ile
				245					250					255
Ile	Tyr	Cys	Cys	Cys	Cys	Arg	Gly	Lys	Asp	Asp	Asn	Thr	Glu	Asp
				260					265					270
Lys	Glu	Asp	Ala	Arg	Pro	Asn	Arg	Glu	Ala	Tyr	Glu	Glu	Pro	Pro
				275					280					285
Glu	Gln	Leu	Arg	Glu	Leu	Ser	Arg	Glu	Arg	Glu	Glu	Glu	Asp	Asp
				290					295					300
Tyr	Arg	Gln	Glu	Glu	Gln	Arg	Ser	Thr	Gly	Arg	Glu	Ser	Pro	Asp
				305					310					315
His	Leu	Asp	Gln											

<210> 66
 <211> 3476
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 210095.11

<400> 66
 aaaacagcag aggtgacaga gcagccgtgc tcgaagcggt cctggagccc aagctctctt 60
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 agagtgcgtg taccctggca ggggcttctg ctacacgect cacttctaac cttctggaac 180
 ccgcccacca ctgcccagct cactactgaa tccatgccat tcaatgttgc agaggggaag 240
 gaggttcttc tcttgttcca caatctgccc cagcaacttt ttggctacag ctggtacaaa 300
 ggggaaagag tggatggcaa ccgtcaaatt gtaggatatg caataggaac tcaacaagct 360
 accccagggc ccgcaaacag cggctcgagag acaatatacc ccaatgcac cctgctgac 420
 cagaacgtca ccagaaatga cacaggattc tacaccctac aagtcataaa gtcagatctt 480
 gtgaatgaag aagcaactgg acagttccat gtataccgg agctgcccac gccctccac 540
 tccagcaaca actccaacct tgtggaggac aaggatgctg tggccttcac ctgtgaacct 600
 gagactcagg acacaacctc cctgtgtgtg ataaacaatc agagcctccc ggtcagtcac 660
 aggctgcagc tgtccaatgg caacaggacc ctactctac tcagtgtcac aaggaatgac 720
 acaggaccct atgagtgtga aatacagaac ccagtgcgtg cgaaccgcag tgaccagtc 780
 accttgaatg tcacctatgg cccggacacc cccaccattt ccccttcaga cacctattac 840
 cgtccagggg caaacctcag cctctcctgc tatgcagcct ctaaccacac tgcacagtac 900
 tcttggttta tcaatggaac attccagcaa agcacacaag agctctttat ccctaacac 960
 actgtgaata atagtggatc ctatacctgc cagcgaata actcagtcac tggctgcaac 1020
 aggaccacag tcaagacgat catagtccat gagctaagtc cagtagtagc aaagcccaa 1080
 atcaaagcca gcaagaccac agtcacagga gataaggact ctgtgaacct gacctgctcc 1140
 acaaatgaca ctggaatctc catccgttgg ttcttcaaaa accagagtct cccgtcctcg 1200
 gagaggatga agctgtccca gggcaacacc accctcagca taaaccctgt caagaggag 1260
 gatgctggga cgtattgtgt tgaggtcttc aaccaatca gtaagaacca aagcgacccc 1320

atcatgctga acgtaaacta taatgctcta ccacaagaaa atggcctctc acctggggcc 1380
 attgctggca ttgtgattgg agtagtggcc ctggttgctc tgatagcagt agccctggca 1440
 tgttttctgc atttcgggaa gaccggcagg gcaagcgacc agcgtgatct cacagagcac 1500
 aaaccctcag tctccaacca cactcaggac cactccaatg acccacctta caagatgaat 1560
 gaagttactt attctaccct gaactttgaa gccagcaac ccacacaacc aacttcagcc 1620
 tccccatccc taacagccac agaaataatt tattcagaag taaaaaagca gtaatgaaac 1680
 ctgtcctgct cactgcagtg ctgatgtatt tcaagtctct caccctcctc actaggagat 1740
 cctttccccc tgtaggggta gaggggtggg gacagaaaca actttctcct actcttcctt 1800
 cctaataggc atctccaggc tgcttggtca ctgcccctct ctcagtgtca atagatgaaa 1860
 gtacattggg agtctgtagg aaacccaacc ttcttgctat tgaaatttgg caaagctgac 1920
 tttgggaaag agggaccaga acttcccctc ccttcccctt ttcccaacct ggacttgttt 1980
 taaacttgcc tgttcagagc actcattcct tcccaccccc agtcctgtcc tatcactcta 2040
 attcggattt gccatagcct tgaggttatg tccttttcca ttaagtacat gtgccaggaa 2100
 acaagagaga gagaaagtaa aggcagtaat gccttctcct atttctccaa agccttggtg 2160
 gaactcacca aacacaagaa aatcaaatat ataaccaata gtgaaatgcc acacctttgt 2220
 ccactgtcag ggtgtgtctac ctgtaggatc aggggtctaag caccttggtg cttagctaga 2280
 ataccaccta atccttctgg caagcctgtc ttccagagaac ccactagaag caactaggaa 2340
 aatcacttgc caaaatccaa ggcaattcct gatggaaaat gcaaaagcac atatatgttt 2400
 taatatcttt atgggctctg ttcaaggcag tgctgagagg gaggggttat agcttcagga 2460
 gggaaccagc ttctgataaa cacaatctgc taggaacttg ggaaaggaat cagagagctg 2520
 ccttcagcg attattttaa ttattgttaa agaatacaca atttggggta ttgggatttt 2580
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 ccaccgaaat cctcaggtc ccttggtcag gagcctctca agattttttt tgtcagaggc 2760
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 ttttctgttt gccccattc actttgtcag gaaaccttgg cctctgctaa ggtgtatttg 2940
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 gattataact taggcctagc ctcttttaac agcctctgaa atttatcttt tcttctatgg 3120
 ggtctataaa tgtatcttat aataaaaagg aaggacagga ggaagacagg caaatgtact 3180
 tctcaccagc tcttctacac agatgggaatc tctttggggc taagagaaaag gttttattct 3240
 atattgctta cctgatctca tgttaggcct aagaggcttt ctccaggagg attagcttgg 3300
 agttctctat cctcaggtac ctcttctaac gttttctaac cctgacacgg actgtgcata 3360
 ctttccctca tccatgtgtg gctgtgttat ttaatttttc ctggctaaga tcatgtctga 3420
 attatgtatg aaaattattc tatgttttta taataaaaat aatatatcag acatcg 3476

<210> 67
 <211> 1237
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2719813CB1

<400> 67
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 gtcccgcagg atgcggatgc tgctggcgct cctggcccctc tccgcggcgc ggccatcgcc 120
 cagtgcagag tcacactggt gctacgaggt tcaagecgag tccctccaact acccctgctt 180
 ggtgccagtc aagtgggggtg gaaactgccca gaaggaccgc cagtccccca tcaacatcgt 240
 caccaccaag gcaaaggtgg acaaaaaact gggacgcttc ttcttctctg gctacgataa 300
 gaagcaaacg tggactgtac aaaataacgg cactcagtg atgatgttgc tggagaacaa 360
 ggccagcatt tctggaggag gactgcctgc ccataccag gccaaacagt tgcacctgca 420
 ctgggtccgac ttgccatata agggctcgga gcacagcctc gatggggagc actttgccat 480
 ggagatgcac atagtacatg agaaagagaa ggggacatcg aggaatgtga aagaggccca 540
 ggaccctgaa gacgaaattg cgggtgctggc ctttctggtg gaggttgga cccagggtgaa 600
 cgagggtctc cagccactgg tggaggcact gtctaataatc cccaaacctg agatgagcac 660
 tacgatggca gagagcagcc tgttggacct gctcccacag gaggagaaac tgaggcacta 720
 cttccgctac ctgggtcac tcaccacacc gacctcgat gagaaggctg tctggactgt 780
 gttccgggag ccatttcagc ttccacagaga acagatcctg gcattctctc agaagctgta 840
 ctacgacaag gaacagacag tgagcatgaa ggacaatgtc aggcccttgc agcagctggg 900
 gcagcgcacg gtgataaagt ccggggcccc gggctggcgc ctgcccctgg ccctgcctgc 960
 cctgctgggc ccatgctgg cctgcctgct ggcgggcttc ctgcatgat ggctcacttc 1020
 tgcacgcagc ctctctgttg cctcagctct ccaagttcca ggcttcgggt ccttagcctt 1080
 ccagggtggg actttaggca tgattaaaat atggacatat ttttgagaa acctttctca 1140

PA-0038 US

agtgtgtttt tagccttcca caactacccc accctgtccc cctccaccca cccctgttcc 1200
tcctgttcca gggcgggggc tttaaggcca ggagatt 1237

<210> 68
<211> 312
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2719813CD1

<400> 68
Met Arg Met Leu Leu Ala Leu Leu Ala Leu Ser Ala Ala Arg Pro
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Ser Ala Ser Ala Glu Ser His Trp Cys Tyr Glu Val Gln Ala Glu
20 25 30
Ser Ser Asn Tyr Pro Cys Leu Val Pro Val Lys Trp Gly Gly Asn
35 40 45
Cys Gln Lys Asp Arg Gln Ser Pro Ile Asn Ile Val Thr Thr Lys
50 55 60
Ala Lys Val Asp Lys Lys Leu Gly Arg Phe Phe Phe Ser Gly Tyr
65 70 75
Asp Lys Lys Gln Thr Trp Thr Val Gln Asn Asn Gly His Ser Val
80 85 90
Met Met Leu Leu Glu Asn Lys Ala Ser Ile Ser Gly Gly Gly Leu
95 100 105
Pro Ala Pro Tyr Gln Ala Lys Gln Leu His Leu His Trp Ser Asp
110 115 120
Leu Pro Tyr Lys Gly Ser Glu His Ser Leu Asp Gly Glu His Phe
125 130 135
Ala Met Glu Met His Ile Val His Glu Lys Glu Lys Gly Thr Ser
140 145 150
Arg Asn Val Lys Glu Ala Gln Asp Pro Glu Asp Glu Ile Ala Val
155 160 165
Leu Ala Phe Leu Val Glu Ala Gly Thr Gln Val Asn Glu Gly Phe
170 175 180
Gln Pro Leu Val Glu Ala Leu Ser Asn Ile Pro Lys Pro Glu Met
185 190 195
Ser Thr Thr Met Ala Glu Ser Ser Leu Leu Asp Leu Leu Pro Lys
200 205 210
Glu Glu Lys Leu Arg His Tyr Phe Arg Tyr Leu Gly Ser Leu Thr
215 220 225
Thr Pro Thr Cys Asp Glu Lys Val Val Trp Thr Val Phe Arg Glu
230 235 240
Pro Ile Gln Leu His Arg Glu Gln Ile Leu Ala Phe Ser Gln Lys
245 250 255
Leu Tyr Tyr Asp Lys Glu Gln Thr Val Ser Met Lys Asp Asn Val
260 265 270
Arg Pro Leu Gln Gln Leu Gly Gln Arg Thr Val Ile Lys Ser Gly
275 280 285
Ala Pro Gly Arg Pro Leu Pro Trp Ala Leu Pro Ala Leu Leu Gly
290 295 300
Pro Met Leu Ala Cys Leu Leu Ala Gly Phe Leu Arg
305 310

<210> 69
<211> 973
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2886583CB1

<400> 69

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gcgcgatggc ggaggctgta ctgagggtcg cccggcgcca gctgagccag cgcggcgggt 120
ctggagcccc catcctcctg cggcagatgt tcgagcctgt gagctgcacc ttcacgtacc 180
tgctgggtga cagagagtc cgggaggccg ttctgatcga cccagtccctg gaaacagcgc 240
ctcgggatgc ccagctgatc aaggagctgg ggctgcggct gctctatgct gtgaataccc 300
actgccacgc ggaccacatt acaggctcgg ggctgctccg ttccctcctc cctggctgcc 360
agtctgtcat ctcccgctt agtggggccc aggtgactt acacattgag gatggagact 420
ccatccgctt cgggcgctt gcgttgaga ccagggccag cctgggccac accccaggct 480
gtgtcacctt cgtcctgaat gaccacagca tggccttcac tggagatgcc ctgttgatcc 540
gtgggtgtgg gcggacagac ttccagcaag gctgtgccaa gacctgtac cactcgggtcc 600
atgaaaagat cttcacactt ccaggagact gtctgatcta cctgtctcac gattaccatg 660
ggttcacagt gtccaccgtg gaggaggaga ggactctgaa cctcggtctc accctcagct 720
gtgaggagtt tgtcaaaatc atgggcaacc tgaacttgcc taaacctcag cagatagact 780
ttgctgttcc agccaacatg cgctgtgggg tgcagacacc cactgcctga tctcacttct 840
gtcagatgct cccatccact attaatgcac taggtgggag gagaggcgcg caatgacact 900
gcacctctcc tttccaccg cattccctgg agctccctaa ataaaaactt ttttatcgtg 960
aaaaaaaaaa aaa 973

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<210> 70

<211> 254

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2886583CD1

<400> 70

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Met Ala Glu Ala Val Leu Arg Val Ala Arg Arg Gln Leu Ser Gln
  1          5          10          15
Arg Gly Gly Ser Gly Ala Pro Ile Leu Leu Arg Gln Met Phe Glu
          20          25          30
Pro Val Ser Cys Thr Phe Thr Tyr Leu Leu Gly Asp Arg Glu Ser
          35          40          45
Arg Glu Ala Val Leu Ile Asp Pro Val Leu Glu Thr Ala Pro Arg
          50          55          60
Asp Ala Gln Leu Ile Lys Glu Leu Gly Leu Arg Leu Leu Tyr Ala
          65          70          75
Val Asn Thr His Cys His Ala Asp His Ile Thr Gly Ser Gly Leu
          80          85          90
Leu Arg Ser Leu Leu Pro Gly Cys Gln Ser Val Ile Ser Arg Leu
          95          100          105
Ser Gly Ala Gln Ala Asp Leu His Ile Glu Asp Gly Asp Ser Ile
          110          115          120
Arg Phe Gly Arg Phe Ala Leu Glu Thr Arg Ala Ser Pro Gly His
          125          130          135
Thr Pro Gly Cys Val Thr Phe Val Leu Asn Asp His Ser Met Ala
          140          145          150
Phe Thr Gly Asp Ala Leu Leu Ile Arg Gly Cys Gly Arg Thr Asp
          155          160          165
Phe Gln Gln Gly Cys Ala Lys Thr Leu Tyr His Ser Val His Glu
          170          175          180
Lys Ile Phe Thr Leu Pro Gly Asp Cys Leu Ile Tyr Pro Ala His
          185          190          195
Asp Tyr His Gly Phe Thr Val Ser Thr Val Glu Glu Glu Arg Thr
          200          205          210
Leu Asn Pro Arg Leu Thr Leu Ser Cys Glu Glu Phe Val Lys Ile
          215          220          225
Met Gly Asn Leu Asn Leu Pro Lys Pro Gln Gln Ile Asp Phe Ala
          230          235          240
Val Pro Ala Asn Met Arg Cys Gly Val Gln Thr Pro Thr Ala
          245          250

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<210> 71

<211> 643

<212> DNA

$\langle 220 \rangle$

<223> Incyte ID No: 025685.3

<400> 71

<210> 72

<211> 2879

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<223> Incyte ID No: 1808144CB1

<400> 72

57

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gatgtgtata tcgttgggaac tgatgatgac ttcattgaga agcttaaccg gtatgaattt 2280
tttgaatggg aagtgaaaag ctcaatatatt ttcttaacaa tccatgatgc tgttttgcac 2340
attttgatga agaaagatta cagtacttca aagtttaatc ccagtcagga aaaagatgga 2400
aaaattgatt ttaccataaa tacaaatgga ggattacgta atcgggtata tgaggtgcca 2460
gttgaaacaa aatttctaatt aacatataat tcagaaggat cttcatctga ctatgacata 2520
aaaacaactt tatacccaga aagttattga taagttcata cattgtacga agagtatttt 2580
tgacagaata tgtttcaaac tttggaacaa gatggttcta gcatggcata tttttcacat 2640
atctagtatg aaattatata agtattctaa attttatata ttgtagcttt atcaaagggt 2700
gaaaattatt ttgttcatac atatttttgt agcactgaca gatttccatc ctagtacta 2760
ccttcatgca taggttttagc agtatagtgg cgccactgtt ttgaatctca taatttatac 2820
agggtcatatt aatatatttc cattaaaaaa tcagttgtac agtgaaaaaa aaaaaaaaaa 2879

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<210> 73

<211> 764

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1808144CD1

<400> 73

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Met Ile Glu Pro Phe Gly Asn Gln Tyr Ile Val Ala Arg Pro Val
  1           5           10           15
Tyr Ser Thr Asn Ala Phe Glu Glu Asn His Lys Lys Thr Gly Arg
           20           25           30
His His Lys Thr Phe Leu Asp His Leu Lys Val Cys Cys Ser Cys
           35           40           45
Ser Pro Gln Lys Ala Lys Arg Ile Val Leu Ser Leu Phe Pro Ile
           50           55           60
Ala Ser Trp Leu Pro Ala Tyr Arg Leu Lys Glu Trp Leu Leu Ser
           65           70           75
Asp Ile Val Ser Gly Ile Ser Thr Gly Ile Val Ala Val Leu Gln
           80           85           90
Gly Leu Ala Phe Ala Leu Leu Val Asp Ile Pro Pro Val Tyr Gly
           95          100          105
Leu Tyr Ala Ser Phe Phe Pro Ala Ile Ile Tyr Leu Phe Phe Gly
          110          115          120
Thr Ser Arg His Ile Ser Val Gly Pro Phe Pro Ile Leu Ser Met
          125          130          135
Met Val Gly Leu Ala Val Ser Gly Ala Val Ser Lys Ala Val Pro
          140          145          150
Asp Arg Asn Ala Thr Thr Leu Gly Leu Pro Asn Asn Ser Asn Asn
          155          160          165
Ser Ser Leu Leu Asp Asp Glu Arg Val Arg Val Ala Ala Ala Ala
          170          175          180
Ser Val Thr Val Leu Ser Gly Ile Ile Gln Leu Ala Phe Gly Ile
          185          190          195
Leu Arg Ile Gly Phe Val Val Ile Tyr Leu Ser Glu Ser Leu Ile
          200          205          210
Ser Gly Phe Thr Thr Ala Ala Ala Val His Val Leu Val Ser Gln
          215          220          225
Leu Lys Phe Ile Phe Gln Leu Thr Val Pro Ser His Thr Asp Pro
          230          235          240
Val Ser Ile Phe Lys Val Leu Tyr Ser Val Phe Ser Gln Ile Glu
          245          250          255
Lys Thr Asn Ile Ala Asp Leu Val Thr Ala Leu Ile Val Leu Leu
          260          265          270
Val Val Ser Ile Val Lys Glu Ile Asn Gln Arg Phe Lys Asp Lys
          275          280          285
Leu Pro Val Pro Ile Pro Ile Glu Phe Ile Met Thr Val Ile Ala
          290          295          300
Ala Gly Val Ser Tyr Gly Cys Asp Phe Lys Asn Arg Phe Lys Val
          305          310          315
Ala Val Val Gly Asp Met Asn Pro Gly Phe Gln Pro Pro Ile Thr
          320          325          330

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Pro	Asp	Val	Glu	Thr	Phe	Gln	Asn	Thr	Val	Gly	Asp	Cys	Phe	Gly	335	340	345
Ile	Ala	Met	Val	Ala	Phe	Ala	Val	Ala	Phe	Ser	Val	Ala	Ser	Val	350	355	360
Tyr	Ser	Leu	Lys	Tyr	Asp	Tyr	Pro	Leu	Asp	Gly	Asn	Gln	Glu	Leu	365	370	375
Ile	Ala	Leu	Gly	Leu	Gly	Asn	Ile	Val	Cys	Gly	Val	Phe	Arg	Gly	380	385	390
Phe	Ala	Gly	Ser	Thr	Ala	Leu	Ser	Arg	Ser	Ala	Val	Gln	Glu	Ser	395	400	405
Thr	Gly	Gly	Lys	Thr	Gln	Ile	Ala	Gly	Leu	Ile	Gly	Ala	Ile	Ile	410	415	420
Val	Leu	Ile	Val	Val	Leu	Ala	Ile	Gly	Phe	Leu	Leu	Ala	Pro	Leu	425	430	435
Gln	Lys	Ser	Val	Leu	Ala	Ala	Leu	Ala	Leu	Gly	Asn	Leu	Lys	Gly	440	445	450
Met	Leu	Met	Gln	Phe	Ala	Glu	Ile	Gly	Arg	Leu	Trp	Arg	Lys	Asp	455	460	465
Lys	Tyr	Asp	Cys	Leu	Ile	Trp	Ile	Met	Thr	Phe	Ile	Phe	Thr	Ile	470	475	480
Val	Leu	Gly	Leu	Gly	Leu	Gly	Leu	Ala	Ala	Ser	Val	Ala	Phe	Gln	485	490	495
Leu	Leu	Thr	Ile	Val	Phe	Arg	Thr	Gln	Phe	Pro	Lys	Cys	Ser	Thr	500	505	510
Leu	Ala	Asn	Ile	Gly	Arg	Thr	Asn	Ile	Tyr	Lys	Asn	Lys	Lys	Asp	515	520	525
Tyr	Tyr	Asp	Met	Tyr	Glu	Pro	Glu	Gly	Val	Lys	Ile	Phe	Arg	Cys	530	535	540
Pro	Ser	Pro	Ile	Tyr	Phe	Ala	Asn	Ile	Gly	Phe	Phe	Arg	Arg	Lys	545	550	555
Leu	Ile	Asp	Ala	Val	Gly	Phe	Ser	Pro	Leu	Arg	Ile	Leu	Arg	Lys	560	565	570
Arg	Asn	Lys	Ala	Leu	Arg	Lys	Ile	Arg	Lys	Leu	Gln	Lys	Gln	Gly	575	580	585
Leu	Leu	Gln	Val	Thr	Pro	Lys	Gly	Phe	Ile	Cys	Thr	Val	Asp	Thr	590	595	600
Ile	Lys	Asp	Ser	Asp	Glu	Glu	Leu	Asp	Asn	Asn	Gln	Ile	Glu	Val	605	610	615
Leu	Asp	Gln	Pro	Ile	Asn	Thr	Thr	Asp	Leu	Pro	Phe	His	Ile	Asp	620	625	630
Trp	Asn	Asp	Asp	Leu	Pro	Leu	Asn	Ile	Glu	Val	Pro	Lys	Ile	Ser	635	640	645
Leu	His	Ser	Leu	Ile	Leu	Asp	Phe	Ser	Ala	Val	Ser	Phe	Leu	Asp	650	655	660
Val	Ser	Ser	Val	Arg	Gly	Leu	Lys	Ser	Ile	Leu	Gln	Glu	Phe	Ile	665	670	675
Arg	Ile	Lys	Val	Asp	Val	Tyr	Ile	Val	Gly	Thr	Asp	Asp	Asp	Phe	680	685	690
Ile	Glu	Lys	Leu	Asn	Arg	Tyr	Glu	Phe	Phe	Asp	Gly	Glu	Val	Lys	695	700	705
Ser	Ser	Ile	Phe	Phe	Leu	Thr	Ile	His	Asp	Ala	Val	Leu	His	Ile	710	715	720
Leu	Met	Lys	Lys	Asp	Tyr	Ser	Thr	Ser	Lys	Phe	Asn	Pro	Ser	Gln	725	730	735
Glu	Lys	Asp	Gly	Lys	Ile	Asp	Phe	Thr	Ile	Asn	Thr	Asn	Gly	Gly	740	745	750
Leu	Arg	Asn	Arg	Val	Tyr	Glu	Val	Pro	Val	Glu	Thr	Lys	Phe		755	760	

<210> 74
 <211> 3503
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte ID No: 201356.1

<400> 74

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<213> Homo sapiens

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gtgcttttga atgactttat catctagtct ttgtctattt ttcctttgat gttcaagtcc 2820
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<210> 79
<211> 1244
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2101663CB1

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gaagataatg gcaagtccag actggggata tgatgacaaa aatggtcctg aacaatggag 180
caagctgtat ccattgccca atggaaataa ccagtccctt gttgatatta aaaccagtga 240
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<210> 80
<211> 261
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2101663CD1

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Pro Val Asp Ile Lys Thr Ser Glu Thr Lys His Asp Thr Ser Leu
                      35                      40                      45
Lys Pro Ile Ser Val Ser Tyr Asn Pro Ala Thr Ala Lys Glu Ile
                      50                      55                      60
Ile Asn Val Gly His Ser Phe His Val Asn Phe Glu Asp Asn Asp
                      65                      70                      75
Asn Arg Ser Val Leu Lys Gly Gly Pro Phe Ser Asp Ser Tyr Arg
                      80                      85                      90
Leu Phe Gln Phe His Phe His Trp Gly Ser Thr Asn Glu His Gly
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Ser Glu His Thr Val Asp Gly Val Lys Tyr Ser Ala Glu Leu His
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 Val Ala His Trp Asn Ser Ala Lys Tyr Ser Ser Leu Ala Glu Ala
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 Ala Ser Lys Ala Asp Gly Leu Ala Val Ile Gly Val Leu Met Lys
 140 145 150
 Val Gly Glu Ala Asn Pro Lys Leu Gln Lys Val Leu Asp Ala Leu
 155 160 165
 Gln Ala Ile Lys Thr Lys Gly Lys Arg Ala Pro Phe Thr Asn Phe
 170 175 180
 Asp Pro Ser Thr Leu Leu Pro Ser Ser Leu Asp Phe Trp Thr Tyr
 185 190 195
 Pro Gly Ser Leu Thr His Pro Pro Leu Tyr Glu Ser Val Thr Trp
 200 205 210
 Ile Ile Cys Lys Glu Ser Ile Ser Val Ser Ser Glu Gln Leu Ala
 215 220 225
 Gln Phe Arg Ser Leu Leu Ser Asn Val Glu Gly Asp Asn Ala Val
 230 235 240
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 245 250 255
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 260

<210> 81
 <211> 1317
 <212> DNA
 <213> Homo sapiens

<220>
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 gttcttgact ctatgttgag gccagttgaa aaatgaggga gaataaaacc atgaacgaaa 180
 caagaaagaa acaaaacaga agaggaatga aaaagacata atgatgtcat ccaagccaac 240
 aagccatgct gaagtaaatg aaaccatacc caacccttac ccaccaagca gctttatggc 300
 tcttgattt caacagcctc tgggttcaat caacttagaa aaccaagctc aggggtgctca 360
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 tgttttgtgt ttaatactct tctcttttag agaagtatta gggtttgctt ctactgctgt 600
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<210> 82
 <211> 267
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 611082CD1

<400> 82

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 35 40 45
 Ala Gln Arg Ala Gln Pro Tyr Gly Ile Thr Ser Pro Gly Ile Phe
 50 55 60
 Ala Ser Ser Gln Pro Gly Gln Gly Asn Ile Gln Met Ile Asn Pro
 65 70 75
 Ser Val Gly Thr Ala Val Met Asn Phe Lys Glu Glu Ala Lys Ala
 80 85 90
 Leu Gly Val Ile Gln Ile Met Val Gly Leu Met His Ile Gly Phe
 95 100 105
 Gly Ile Val Leu Cys Leu Ile Ser Phe Ser Phe Arg Glu Val Leu
 110 115 120
 Gly Phe Ala Ser Thr Ala Val Ile Gly Gly Tyr Pro Phe Trp Gly
 125 130 135
 Gly Leu Ser Phe Ile Ile Ser Gly Ser Leu Ser Val Ser Ala Ser
 140 145 150
 Lys Glu Leu Ser Arg Cys Leu Val Lys Gly Ser Leu Gly Met Asn
 155 160 165
 Ile Val Ser Ser Ile Leu Ala Phe Ile Gly Val Ile Leu Leu Leu
 170 175 180
 Val Asp Met Cys Ile Asn Gly Val Ala Gly Gln Asp Tyr Trp Ala
 185 190 195
 Val Leu Ser Gly Lys Gly Ile Ser Ala Thr Leu Met Ile Phe Ser
 200 205 210
 Leu Leu Glu Phe Phe Val Ala Cys Ala Thr Ala His Phe Ala Asn
 215 220 225
 Gln Ala Asn Thr Thr Thr Asn Met Ser Val Leu Val Ile Pro Asn
 230 235 240
 Met Tyr Glu Ser Asn Pro Val Thr Pro Ala Ser Ser Ser Ala Pro
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 Pro Arg Cys Asn Asn Tyr Ser Ala Asn Ala Pro Lys
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<210> 83
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 <213> Homo sapiens

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 <221> unsure
 <222> 232, 243-244
 <223> a, t, c, g, or other

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 ttcagataag tctcatagga accactcttg gtgggaatgt tttgatttgg ccaatggaag 180
 gtagtcattg gctaaatggt aagataatta tagatgagct cattaaaaag gngcataatg 240
 tgnntgtcct agttgcctct ggtgcacttt tcatcacacc aacctctaac ccatctctga 300
 catttgaat atataagggt ccctttggca aagaaagaat agaaggagta attaaggact 360
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<210> 84

<211> 3591

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<212> DNA
<213> Homo sapiens

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<220>
<221> unsure
<222> 2713, 2719, 3094
<223> a, t, c, g, or other

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<211> 1571
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 1543330CB1
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PA-0038 US

<212> PRT

<213> Homo sapiens

<220>

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				20					25					30
Val	Ile	Ala	Tyr	Leu	Ala	Asn	Ile	Gly	Gln	Lys	Glu	Asp	Phe	Glu
				35					40					45
Glu	Ala	Arg	Lys	Lys	Ala	Leu	Lys	Leu	Gly	Ala	Lys	Lys	Val	Phe
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Ile	Glu	Asp	Val	Ser	Arg	Glu	Phe	Val	Glu	Glu	Phe	Ile	Trp	Pro
				65					70					75
Ala	Ile	Gln	Ser	Ser	Ala	Leu	Tyr	Glu	Asp	Arg	Tyr	Leu	Leu	Gly
				80					85					90
Thr	Ser	Leu	Ala	Arg	Pro	Cys	Ile	Ala	Arg	Lys	Gln	Val	Glu	Ile
				95					100					105
Ala	Gln	Arg	Glu	Gly	Ala	Lys	Tyr	Val	Ser	His	Gly	Ala	Thr	Gly
				110					115					120
Lys	Gly	Asn	Asp	Gln	Val	Arg	Phe	Glu	Leu	Ser	Cys	Tyr	Ser	Leu
				125					130					135
Ala	Pro	Gln	Ile	Lys	Val	Ile	Ala	Pro	Trp	Arg	Met	Pro	Glu	Phe
				140					145					150
Tyr	Asn	Arg	Phe	Lys	Gly	Arg	Asn	Asp	Leu	Met	Glu	Tyr	Ala	Lys
				155					160					165
Gln	His	Gly	Ile	Pro	Ile	Pro	Val	Thr	Pro	Lys	Asn	Pro	Trp	Ser
				170					175					180
Met	Asp	Glu	Asn	Leu	Met	His	Ile	Ser	Tyr	Glu	Ala	Gly	Ile	Leu
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				200					205					210
Gln	Asp	Pro	Ala	Lys	Ala	Pro	Asn	Thr	Pro	Asp	Ile	Leu	Glu	Ile
				215					220					225
Glu	Phe	Lys	Lys	Gly	Val	Pro	Val	Lys	Val	Thr	Asn	Val	Lys	Asp
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Glu	Val	Ala	Gly	Lys	His	Gly	Val	Gly	Arg	Ile	Asp	Ile	Val	Glu
				260					265					270
Asn	Arg	Phe	Ile	Gly	Met	Lys	Ser	Arg	Gly	Ile	Tyr	Glu	Thr	Pro
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Thr	Met	Asp	Arg	Glu	Val	Arg	Lys	Ile	Lys	Gln	Gly	Leu	Gly	Leu
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Lys	Phe	Ala	Glu	Leu	Val	Tyr	Thr	Gly	Phe	Trp	His	Ser	Pro	Glu
				320					325					330
Cys	Glu	Phe	Val	Arg	His	Cys	Ile	Ala	Lys	Ser	Gln	Glu	Arg	Val
				335					340					345
Glu	Gly	Lys	Val	Gln	Val	Ser	Val	Leu	Lys	Gly	Gln	Val	Tyr	Ile
				350					355					360
Leu	Gly	Arg	Glu	Ser	Pro	Leu	Ser	Leu	Tyr	Asn	Glu	Glu	Leu	Val
				365					370					375
Ser	Met	Asn	Val	Gln	Gly	Asp	Tyr	Glu	Pro	Thr	Asp	Ala	Thr	Gly
				380					385					390
Phe	Ile	Asn	Ile	Asn	Ser	Leu	Arg	Leu	Lys	Glu	Tyr	His	Arg	Leu
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 aacaagatgc ttaaagttaa aaaagacacc cccaccttta cctacttga tatccaggtc 300
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3152

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1281620CB1

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 <211> 297
 <212> PRT
 <213> Homo sapiens

<220>
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 35 40 45
 Lys Glu Tyr Leu Glu Arg His Val Pro Gly Ala Ser Phe Phe Asp
 50 55 60
 Ile Glu Glu Cys Arg Asp Thr Ala Ser Pro Tyr Glu Met Met Leu
 65 70 75
 Pro Ser Glu Ala Gly Phe Ala Glu Tyr Val Gly Arg Leu Gly Ile
 80 85 90
 Ser Asn His Thr His Val Val Val Tyr Asp Gly Glu His Leu Gly
 95 100 105
 Ser Phe Tyr Ala Pro Arg Val Trp Trp Met Phe Arg Val Phe Gly
 110 115 120
 His Arg Thr Val Ser Val Leu Asn Gly Gly Phe Arg Asn Trp Leu
 125 130 135
 Lys Glu Gly His Pro Val Thr Ser Glu Pro Ser Arg Pro Glu Pro
 140 145 150
 Ala Val Phe Lys Ala Thr Leu Asp Arg Ser Leu Leu Lys Thr Tyr
 155 160 165

Glu	Gln	Val	Leu	Glu	Asn	Leu	Glu	Ser	Lys	Arg	Phe	Gln	Leu	Val
			170						175					180
Asp	Ser	Arg	Ser	Gln	Gly	Arg	Phe	Leu	Gly	Thr	Glu	Pro	Glu	Pro
			185						190					195
Asp	Ala	Val	Gly	Leu	Asp	Ser	Gly	His	Ile	Arg	Gly	Ala	Val	Asn
			200						205					210
Met	Pro	Phe	Met	Asp	Phe	Leu	Thr	Glu	Asp	Gly	Phe	Glu	Lys	Gly
			215						220					225
Pro	Glu	Glu	Leu	Arg	Ala	Leu	Phe	Gln	Thr	Lys	Lys	Val	Asp	Leu
			230						235					240
Ser	Gln	Pro	Leu	Ile	Ala	Thr	Cys	Arg	Lys	Gly	Val	Thr	Ala	Cys
			245						250					255
His	Val	Ala	Leu	Ala	Ala	Tyr	Leu	Cys	Gly	Lys	Pro	Asp	Val	Ala
			260						265					270
Val	Tyr	Asp	Gly	Ser	Trp	Ser	Glu	Trp	Phe	Arg	Arg	Ala	Pro	Pro
			275						280					285
Glu	Ser	Arg	Val	Ser	Gln	Gly	Lys	Ser	Glu	Lys	Ala			
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<210> 91

<211> 1860

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 343502.10

<400> 91

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<210> 92

<211> 1711

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1635966CB1

<400> 92

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<210> 93

<211> 300

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1635966CD1

<400> 93

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Arg Lys Ser Val Thr Gly Glu Ile Val Leu Ile Thr Gly Ala Gly
35 40 45
His Gly Ile Val Arg Leu Thr Ala Tyr Glu Phe Ala Lys Leu Lys
50 55 60
Ser Lys Leu Val Leu Trp Asp Ile Asn Lys His Gly Leu Glu Glu
65 70 75
Thr Ala Ala Lys Cys Lys Gly Leu Gly Ala Lys Val His Thr Phe
80 85 90
Val Val Asp Cys Ser Asn Arg Glu Asp Ile Tyr Ser Ser Ala Lys
95 100 105
Lys Val Lys Ala Glu Ile Gly Asp Val Ser Ile Leu Val Asn Asn
110 115 120
Ala Gly Val Val Tyr Thr Ser Asp Leu Phe Ala Thr Gln Asp Pro
125 130 135
Gln Ile Glu Lys Thr Phe Glu Val Asn Val Leu Ala His Phe Trp
140 145 150
Thr Thr Lys Ala Phe Leu Pro Ala Met Thr Lys Asn Asn His Gly

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	170		175		180
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	185		190		195
His Lys Thr Leu	Thr Asp Glu Leu Ala	Ala Leu Gln Ile Thr	Gly		
	200		205		210
Val Lys Thr Thr	Cys Leu Cys Pro Asn	Phe Val Asn Thr Gly	Phe		
	215		220		225
Ile Lys Asn Pro	Ser Thr Ser Leu Gly	Pro Thr Leu Glu Pro	Glu		
	230		235		240
Glu Val Val Asn	Arg Leu Met His Gly	Ile Leu Thr Glu Gln	Lys		
	245		250		255
Met Ile Phe Ile	Pro Ser Ser Ile Ala	Phe Leu Thr Thr Leu	Glu		
	260		265		270
Arg Ile Leu Pro	Glu Arg Phe Leu Ala	Val Leu Lys Arg Lys	Ile		
	275		280		285
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 <211> 2361
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 <213> Homo sapiens

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 <223> Incyte ID No: 2054053CB1

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<210> 95
 <211> 247
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 2054053CD1

<400> 95

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Arg	Ser	Ser	Ala	Leu	Met	Gly	Met	Cys	Gly	Ser	Arg	Ser	Ala	Asp	40	45	50	55
Asn	Leu	Ser	Cys	Pro	Ser	Pro	Leu	Asn	Val	Met	Glu	Pro	Val	Thr	60	65	70	75
Glu	Leu	Met	Gln	Glu	Gln	Ser	Tyr	Leu	Lys	Ser	Glu	Leu	Gly	Leu	80	85	90	95
Gly	Leu	Gly	Glu	Met	Gly	Phe	Glu	Ile	Pro	Pro	Gly	Glu	Ser	Ser	100	105	110	115
Glu	Ser	Val	Phe	Ser	Gln	Ala	Thr	Ser	Glu	Ser	Ser	Ser	Val	Cys	120	125	130	135
Ser	Gly	Pro	Ser	His	Ala	Asn	Arg	Arg	Thr	Gly	Val	Pro	Ser	Thr	140	145	150	155
Ala	Ser	Val	Gly	Lys	Ser	Lys	Thr	Pro	Leu	Val	Ala	Arg	Lys	Lys	160	165	170	175
Val	Phe	Arg	Ala	Ser	Val	Ala	Leu	Thr	Pro	Thr	Ala	Pro	Ser	Arg	180	185	190	195
Thr	Gly	Ser	Val	Gln	Thr	Pro	Pro	Asp	Leu	Glu	Ser	Ser	Glu	Glu	200	205	210	215
Val	Asp	Ala	Ala	Glu	Gly	Ala	Pro	Glu	Val	Val	Gly	Pro	Lys	Ser	220	225	230	235
Glu	Val	Glu	Glu	Gly	His	Gly	Lys	Leu	Pro	Ser	Met	Pro	Ala	Ala	240	245		
Glu	Glu	Met	His	Lys	Asn	Val	Glu	Gln	Asp	Glu	Leu	Gln	Gln	Val				
Ile	Arg	Glu	Ile	Lys	Glu	Ser	Ile	Val	Gly	Glu	Ile	Arg	Arg	Glu				
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<210> 96
 <211> 3098
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 096954.5

<400> 96

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09981355 101401

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<210> 97
 <211> 860
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1422432CB1

<220>
 <221> unsure
 <222> 205
 <223> a, t, c, g, or other

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<210> 98
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1422432CD1

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 20 25 30
 Gly Glu Leu Lys Val Leu Met Glu Lys Glu Leu Pro Gly Phe Leu
 35 40 45
 Gln Ser Gly Lys Asp Lys Asp Ala Val Asp Lys Leu Leu Lys Asp
 50 55 60
 Leu Asp Ala Asn Gly Asp Ala Gln Val Asp Phe Ser Glu Phe Ile
 65 70 75
 Val Phe Val Ala Ala Ile Thr Ser Ala Cys His Lys Tyr Phe Glu
 80 85 90
 Lys Ala Gly Leu Lys
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<210> 99
 <211> 1498
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 409895.2

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<210> 100
<211> 1138
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 4874364CB1

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gaccagatga cattgtgata gccacttata ctaaatacagg tactacttgg gttagtgaag 300
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cagttctcata ttaccatttt gacttaatga ataatttaca gccttttccct ggtacctggg 600
aagaatatct ggagaaattc ttaactggaa aagtggccta tggttcctgg tttactcatg 660
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<210> 101
<211> 296
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 4874364CD1

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<400> 101
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His Gly Tyr Pro Met Thr Cys Ala Phe Ala Ser Asn Trp Glu Lys
          20          25          30
Ile Glu Gln Phe His Ser Arg Pro Asp Asp Ile Val Ile Ala Thr
          35          40          45
Tyr Pro Lys Ser Gly Thr Thr Trp Val Ser Glu Ile Ile Asp Met
          50          55          60
Ile Leu Asn Asp Gly Asp Ile Glu Lys Cys Lys Arg Gly Phe Ile
          65          70          75
Thr Glu Lys Val Pro Met Leu Glu Met Thr Leu Pro Gly Leu Arg
          80          85          90
Thr Ser Gly Ile Glu Gln Leu Glu Lys Asn Pro Ser Pro Arg Ile
          95          100          105
Val Lys Thr His Leu Pro Thr Asp Leu Leu Pro Lys Ser Phe Trp
          110          115          120
Glu Asn Asn Cys Lys Met Ile Tyr Leu Ala Arg Asn Ala Lys Asp
          125          130          135

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Val Ser Val Ser Tyr Tyr His Phe Asp Leu Met Asn Asn Leu Gln
 140 145 150
 Pro Phe Pro Gly Thr Trp Glu Glu Tyr Leu Glu Lys Phe Leu Thr
 155 160 165
 Gly Lys Val Ala Tyr Gly Ser Trp Phe Thr His Val Lys Asn Trp
 170 175 180
 Trp Lys Lys Lys Glu Gly His Pro Ile Leu Phe Leu Tyr Tyr Glu
 185 190 195
 Asp Met Lys Glu Asn Pro Lys Glu Glu Ile Lys Lys Ile Ile Arg
 200 205 210
 Phe Leu Glu Lys Asn Leu Asn Asp Glu Ile Leu Asp Arg Ile Ile
 215 220 225
 His His Thr Ser Phe Glu Val Met Lys Asp Asn Pro Leu Val Asn
 230 235 240
 Tyr Thr His Leu Pro Thr Thr Val Met Asp His Ser Lys Ser Pro
 245 250 255
 Phe Met Arg Lys Gly Thr Ala Gly Asp Trp Lys Asn Tyr Phe Thr
 260 265 270
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 275 280 285
 Ser Lys Thr Ala Leu Gln Phe Arg Thr Glu Ile
 290 295

<210> 102
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 239568.4

<220>
 <221> unsure
 <222> 495
 <223> a, t, c, g, or other

<400> 102
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<210> 103
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 255041.1

<220>
 <221> unsure
 <222> 336, 458
 <223> a, t, c, g, or other

<400> 103
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 attagttaca taaaaggctt gaagctggaa tgaccaaaag atagaattcc ttcagttaat 180

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ctgtgtttca cactttatac attgacccaa tattaagnca tccgttcaca atattaatac 480
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<210> 104
<211> 2147
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 2555628CB1

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<400> 104
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2147

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<210> 105
<211> 497
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 2555628CD1

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<400> 105
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Glu Leu Glu Leu Ser Val Lys Lys Glu Leu Glu Lys Ile Leu Thr
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 Thr Ala Ser Ser His Glu Phe Glu His Thr Lys Lys Asp Leu Asp
 35 40 45
 Gly Phe Arg Lys Leu Phe His Arg Phe Leu Gln Glu Lys Gly Pro
 50 55 60
 Ser Val Asp Trp Gly Lys Ile Gln Arg Pro Pro Glu Asp Ser Ile
 65 70 75
 Gln Pro Tyr Glu Lys Ile Lys Ala Arg Gly Leu Pro Asp Asn Ile
 80 85 90
 Ser Ser Val Leu Asn Lys Leu Val Val Val Lys Leu Asn Gly Gly
 95 100 105
 Leu Gly Thr Ser Met Gly Cys Lys Gly Pro Lys Ser Leu Ile Gly
 110 115 120
 Val Arg Asn Glu Asn Thr Phe Leu Asp Leu Thr Val Gln Gln Ile
 125 130 135
 Glu His Leu Asn Lys Thr Tyr Asn Thr Asp Val Pro Leu Val Leu
 140 145 150
 Met Asn Ser Phe Asn Thr Asp Glu Asp Thr Lys Lys Ile Leu Gln
 155 160 165
 Lys Tyr Asn His Cys Arg Val Lys Ile Tyr Thr Phe Asn Gln Ser
 170 175 180
 Arg Tyr Pro Arg Ile Asn Lys Glu Ser Leu Leu Pro Val Ala Lys
 185 190 195
 Asp Val Ser Tyr Ser Gly Glu Asn Thr Glu Ala Trp Tyr Pro Pro
 200 205 210
 Gly His Gly Asp Ile Tyr Ala Ser Phe Tyr Asn Ser Gly Leu Leu
 215 220 225
 Asp Thr Phe Ile Gly Glu Gly Lys Glu Tyr Ile Phe Val Ser Asn
 230 235 240
 Ile Asp Asn Leu Gly Ala Thr Val Asp Leu Tyr Ile Leu Asn His
 245 250 255
 Leu Met Asn Pro Pro Asn Gly Lys Arg Cys Glu Phe Val Met Glu
 260 265 270
 Val Thr Asn Lys Thr Arg Ala Asp Val Lys Gly Gly Thr Leu Thr
 275 280 285
 Gln Tyr Glu Gly Lys Leu Arg Leu Val Glu Ile Ala Gln Val Pro
 290 295 300
 Lys Ala His Val Asp Glu Phe Lys Ser Val Ser Lys Phe Lys Ile
 305 310 315
 Phe Asn Thr Asn Asn Leu Trp Ile Ser Leu Ala Ala Val Lys Arg
 320 325 330
 Leu Gln Glu Gln Asn Ala Ile Asp Met Glu Ile Ile Val Asn Ala
 335 340 345
 Lys Thr Leu Asp Gly Gly Leu Asn Val Ile Gln Leu Glu Thr Ala
 350 355 360
 Val Gly Ala Ala Ile Lys Ser Phe Glu Asn Ser Leu Gly Ile Asn
 365 370 375
 Val Pro Arg Ser Arg Phe Leu Pro Val Lys Thr Thr Ser Asp Leu
 380 385 390
 Leu Leu Val Met Ser Asn Leu Tyr Ser Leu Asn Ala Gly Ser Leu
 395 400 405
 Thr Met Ser Glu Lys Arg Glu Phe Pro Thr Val Pro Leu Val Lys
 410 415 420
 Leu Gly Ser Ser Phe Thr Lys Val Gln Asp Tyr Leu Arg Arg Phe
 425 430 435
 Glu Ser Ile Pro Asp Met Leu Glu Leu Asp His Leu Thr Val Ser
 440 445 450
 Gly Asp Val Thr Phe Gly Lys Asn Val Ser Leu Lys Gly Thr Val
 455 460 465
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 470 475 480
 Ala Val Leu Glu Asn Lys Ile Val Ser Gly Asn Leu Arg Ile Leu
 485 490 495
 Asp His

<210> 106
 <211> 706
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 255803.1

<220>
 <221> unsure
 <222> 136
 <223> a, t, c, g, or other

<400> 106
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 gcaggacatg gcgtanagct gcatgagtac caggaaatgac gaacatcagg ctggccctgg 180
 acatcaagat caccatctac aggaagctgc tggagggcga ggagagccag ttggagtgctg 240
 ggatgcagaa catgagtatc catacgaaga ccaccagcgg ctatgcaggt gatctgagct 300
 cggcctatgt gggcctcaca actcgtgacc tcagctatgg cctgggctcc agctttggct 360
 ctggcacagg cttcagctcc ttcaggtgca ccagctccac cagggccgtg gttgtgaaga 420
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<210> 107
 <211> 1589
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 900341CB1

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 gccctccagc tgctggagct gcagcccgac cgcgagcgtg ccaagcggct tcagcagcta 300
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 ctgaccttgg caaagctgcc agagatattt tcaacaaaag atttggtttt ggggttggtga 480
 aactggatgt gaaaacaaag tcttgcatgt cgttggaatt ttcaacgtcc gggtcatcta 540
 atacagacac tggtaaaagt actgggacct tggagaccaa atacaagtgg tgtgagtatg 600
 gtctgacttt cacagaaaag tggaaactg ataactctt gggaacagaa atcgcaattg 660
 aagaccagat ttgtcaaggt ttgaaactga catttgatac taccttctca ccaaacacag 720
 gaaagaaaag tggtaaaatc aagtcttctt acaagaggga gtgtataaac cttgggtgtg 780
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 tattttaagt atttagacag ttctttgtta gctggtttct agttggttat ctagttaacca 1440
 atgctgcagt cctgcagtca cctatacatt atttaaatgt atttaactgt taaatgcgct 1500
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<210> 108
<211> 294
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 900341CD1

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Pro Ser Tyr Ala Asp Leu Gly Lys Ala Ala Arg Asp Ile Phe Asn
20 25 30
Lys Gly Phe Gly Phe Gly Leu Val Lys Leu Asp Val Lys Thr Lys
35 40 45
Ser Cys Ser Gly Val Glu Phe Ser Thr Ser Gly Ser Ser Asn Thr
50 55 60
Asp Thr Gly Lys Val Thr Gly Thr Leu Glu Thr Lys Tyr Lys Trp
65 70 75
Cys Glu Tyr Gly Leu Thr Phe Thr Glu Lys Trp Asn Thr Asp Asn
80 85 90
Thr Leu Gly Thr Glu Ile Ala Ile Glu Asp Gln Ile Cys Gln Gly
95 100 105
Leu Lys Leu Thr Phe Asp Thr Thr Phe Ser Pro Asn Thr Gly Lys
110 115 120
Lys Ser Gly Lys Ile Lys Ser Ser Tyr Lys Arg Glu Cys Ile Asn
125 130 135
Leu Gly Cys Asp Val Asp Phe Asp Phe Ala Gly Pro Ala Ile His
140 145 150
Gly Ser Ala Val Phe Gly Tyr Glu Gly Trp Leu Ala Gly Tyr Gln
155 160 165
Met Thr Phe Asp Ser Ala Lys Ser Lys Leu Thr Arg Asn Asn Phe
170 175 180
Ala Val Gly Tyr Arg Thr Gly Asp Phe Gln Leu His Thr Asn Val
185 190 195
Asn Asp Gly Thr Glu Phe Gly Gly Ser Ile Tyr Gln Lys Val Cys
200 205 210
Glu Asp Leu Asp Thr Ser Val Asn Leu Ala Trp Thr Ser Gly Thr
215 220 225
Asn Cys Thr Arg Phe Gly Ile Ala Ala Lys Tyr Gln Leu Asp Pro
230 235 240
Thr Ala Ser Ile Ser Ala Lys Val Asn Asn Ser Ser Leu Ile Gly
245 250 255
Val Gly Tyr Thr Gln Thr Leu Arg Pro Gly Val Lys Leu Thr Leu
260 265 270
Ser Ala Leu Val Asp Gly Lys Ser Ile Asn Ala Gly Gly His Lys
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<210> 109
<211> 1870
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 273879CB1

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ttgagggtaa ggcactgacc catgatcata cagctgagaa gtggcaaagg caggatttga 240
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ccagaagagg agccctgtgg accctccctt gccagccact cccttaccct ggggtataaga 720
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aaaaaaaaa 1870

<210> 110

<211> 323

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 273879CD1

<400> 110

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Thr	Leu	Pro	Tyr	Tyr	Gln	Pro	Ile	Pro	Gly	Gly	Leu	Asn	Val	Gly
				20					25					30
Met	Ser	Val	Tyr	Ile	Gln	Gly	Val	Ala	Ser	Glu	His	Met	Lys	Arg
				35					40					45
Phe	Phe	Val	Asn	Phe	Val	Val	Gly	Gln	Asp	Pro	Gly	Ser	Asp	Val
				50					55					60
Ala	Phe	His	Phe	Asn	Pro	Arg	Phe	Asp	Gly	Trp	Asp	Lys	Val	Val
				65					70					75
Phe	Asn	Thr	Leu	Gln	Gly	Gly	Lys	Trp	Gly	Ser	Glu	Glu	Arg	Lys
				80					85					90
Arg	Ser	Met	Pro	Phe	Lys	Lys	Gly	Ala	Ala	Phe	Glu	Leu	Val	Phe
				95					100					105
Ile	Val	Leu	Ala	Glu	His	Tyr	Lys	Val	Val	Val	Asn	Gly	Asn	Pro
				110					115					120
Phe	Tyr	Glu	Tyr	Gly	His	Arg	Leu	Pro	Leu	Gln	Met	Val	Thr	His
				125					130					135
Leu	Gln	Val	Asp	Gly	Asp	Leu	Gln	Leu	Gln	Ser	Ile	Asn	Phe	Ile
				140					145					150
Gly	Gly	Gln	Pro	Leu	Arg	Pro	Gln	Gly	Pro	Pro	Met	Met	Pro	Pro
				155					160					165
Tyr	Pro	Gly	Pro	Gly	His	Cys	His	Gln	Gln	Leu	Asn	Ser	Leu	Pro
				170					175					180
Thr	Met	Glu	Gly	Pro	Pro	Thr	Phe	Asn	Pro	Pro	Val	Pro	Tyr	Phe
				185					190					195
Gly	Arg	Leu	Gln	Gly	Gly	Leu	Thr	Ala	Arg	Arg	Thr	Ile	Ile	Ile
				200					205					210

<400>	112						
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gacagaatca	acatgagcac	agcagggaaaa	gtaatcaaat	gcaaaagcagc	tgtgctatgg	120	
gagttaaaga	aacccttttc	cattgaggag	gtggaggttg	cacctcctaa	ggcccatgaa	180	
gttcgtatta	agatggtggc	tgtaggaatc	tgtggcacag	atgaccacgt	ggttagtggg	240	

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cagtgtggaa aatgcagaat ttgtaaaaac ccggagagca actactgctt gaaaaacgat 420
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gcagtagcca aaattgatgc agcctcgcct ctagagaaaag tctgtctcat tggctgtgga 600
ttttcaactg gttatgggtc tgcagtcaat gttgccaaag tccccccagg ctctacctgt 660
gctgtgtttg gcctgggagg ggtcggccta tctgctatta tgggctgtaa agcagctggg 720
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<210> 113

<211> 375

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2512879CD1

<400> 113

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Pro Pro Lys Ala His Glu Val Arg Ile Lys Met Val Ala Val Gly
35          40          45
Ile Cys Gly Thr Asp Asp His Val Val Ser Gly Thr Met Val Thr
50          55          60
Pro Leu Pro Val Ile Leu Gly His Glu Ala Ala Gly Ile Val Glu
65          70          75
Ser Val Gly Glu Gly Val Thr Thr Val Lys Pro Gly Asp Lys Val
80          85          90
Ile Pro Leu Ala Ile Pro Gln Cys Gly Lys Cys Arg Ile Cys Lys
95          100         105
Asn Pro Glu Ser Asn Tyr Cys Leu Lys Asn Asp Val Ser Asn Pro
110         115         120
Gln Gly Thr Leu Gln Asp Gly Thr Ser Arg Phe Thr Cys Arg Arg
125         130         135
Lys Pro Ile His His Phe Leu Gly Ile Ser Thr Phe Ser Gln Tyr
140         145         150
Thr Val Val Asp Glu Asn Ala Val Ala Lys Ile Asp Ala Ala Ser
155         160         165
Pro Leu Glu Lys Val Cys Leu Ile Gly Cys Gly Phe Ser Thr Gly
170         175         180
Tyr Gly Ser Ala Val Asn Val Ala Lys Val Thr Pro Gly Ser Thr
185         190         195
Cys Ala Val Phe Gly Leu Gly Gly Val Gly Leu Ser Ala Ile Met
200         205         210
Gly Cys Lys Ala Ala Gly Ala Ala Arg Ile Ile Ala Val Asp Ile
215         220         225
Asn Lys Asp Lys Phe Ala Lys Ala Lys Glu Leu Gly Ala Thr Glu
230         235         240
Cys Ile Asn Pro Gln Asp Tyr Lys Lys Pro Ile Gln Glu Val Leu
245         250         255

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Lys	Glu	Met	Thr	Asp	Gly	Gly	Val	Asp	Phe	Ser	Phe	Glu	Val	Ile	
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Gly	Arg	Leu	Asp	Thr	Met	Met	Ala	Ser	Leu	Leu	Cys	Cys	His	Glu	
				275					280					285	
Ala	Cys	Gly	Thr	Ser	Val	Ile	Val	Gly	Val	Pro	Pro	Asp	Ser	Gln	
				290					295					300	
Asn	Leu	Ser	Met	Asn	Pro	Met	Leu	Leu	Leu	Thr	Gly	Arg	Thr	Trp	
				305					310					315	
Lys	Gly	Ala	Ile	Leu	Gly	Gly	Phe	Lys	Ser	Lys	Glu	Cys	Val	Pro	
				320					325					330	
Lys	Leu	Val	Ala	Asp	Phe	Met	Ala	Lys	Lys	Phe	Ser	Leu	Asp	Ala	
				335					340					345	
Leu	Ile	Thr	His	Val	Leu	Pro	Phe	Glu	Lys	Ile	Asn	Glu	Gly	Phe	
				350					355					360	
Asp	Leu	Leu	His	Ser	Gly	Lys	Ser	Ile	Arg	Thr	Ile	Leu	Met	Phe	
				365					370					375	

<210> 114

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2685676CB1

<400> 114

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ttggctcctg tgctgtgccc ggctcctgca aatgcaaaga gtgcaaatgc acctctgca 360
agaagagctg ctgctcctgc tgcctgtgg gctgtgcaa gtgtgcccag ggctgcatct 420
gcaaaggggc atcagagaag tgcagctgct gtgcctgatg tccggacagc cctgctcgaa 480
gatatagaaa gactgacctg cacaacttgc gaattttttt tccatacaac cctgccccat 540
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<210> 115

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2685676CD1

<400> 115

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1				5					10					15	
Ala	Gly	Ser	Cys	Lys	Cys	Lys	Glu	Cys	Lys	Cys	Thr	Ser	Cys	Lys	
				20					25					30	
Lys	Ser	Cys	Cys	Ser	Cys	Cys	Pro	Val	Gly	Cys	Ala	Lys	Cys	Ala	
				35					40					45	
Gln	Gly	Cys	Ile	Cys	Lys	Gly	Ala	Ser	Glu	Lys	Cys	Ser	Cys	Cys	
				50					55					60	
Ala															

<210> 116

<211> 1759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2742913CB1

<400> 116

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cacactgacg aggccatgat tgaatttagg tgacctatag acgcgctgta actacgctcg 60
gaattcggct cgaggtcacc tcctccctt gtgcgctagg tccacccgag cccctcccc 120
cgggcccggc acgagcacga agttggcggg agcctataaa agctgggtgcc ggcgcgaccc 180
gcggaacacac agtgcaggcg cccaagccgc cgccgccaga tcggtgccga ttctgcct 240
gccccgaccg ccagcgcgac catgtcccat cactgggggt acggcaaaca caacggacct 300
gagcactggc ataaggactt ccccatgtcc aaggagagag gccagtcccc tgttgacatc 360
gacactcata cagccaagta tgaccttcc ctgaagcccc tgtctgtttc ctatgatcaa 420
gcaacttccc tgaggatcct caacaatggt catgctttca acgtggagtt tgatgactct 480
caggacaaaag cagtgtctca gggaggaccc ctggatggca cttacagatt gattcagttt 540
cactttcact ggggttctact tgatggacaa gggtcagagc atactgtgga taaaaagaaa 600
tatgtcgcag aacttcactt gggtcactgg aacaccaaata atggggattt tgggaaagct 660
gtgcagcaac ctgatggact ggccgttcta ggtatttttt tgaagggttg cagcgctaaa 720
ccgggccttc agaaagttgt tgatgtgctg gattccatta aaacaaaggg caagagtgtc 780
gacttcacta acttcgatcc tcgtggcctc ctctcctgaat ccttggatta ctggacctac 840
ccaggctcac tgaccacccc tcctcttctg gaatgtgtga cctggattgt gctcaaggaa 900
cccacagcg tcagcagcga gcagggtgtg aaattccgta aacttaactt caatggggag 960
ggtgaacccg aagaactgat ggtggacaac tggcgccag ctcagccact gaagaacagg 1020
caaatcaaag cttccttcaa ataagatggt cccatagtct gtatccaaat aatgaatctt 1080
cgggtgtttc ctttagcta agcacagatc taccttgggtg atttggaccc tggttgcttt 1140
gtgtctagtt ttctagacct ttcatctctt acttgataga cttactaata aaatgtgaag 1200
actagaccaa ttgtcatgct tgacacaact gctgtggctg gttgggtgctt tgtttatggt 1260
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ggcaaatacag gtaaaatagt catgattcta tgtaatgtaa accagaaaaa ataaatgttc 1500
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gttatcttaa atatgaattc tgttgtaatt taatgacttt tgaattacag agatataaat 1620
gaagtattat ctgtaaaaat tgttataatt agagttgtga tacagagtat atttccatto 1680
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<210> 117

<211> 260

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2742913CD1

<400> 117

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Met Ser His His Trp Gly Tyr Gly Lys His Asn Gly Pro Glu His
1 5 10 15
Trp His Lys Asp Phe Pro Ile Ala Lys Gly Glu Arg Gln Ser Pro
20 25 30
Val Asp Ile Asp Thr His Thr Ala Lys Tyr Asp Pro Ser Leu Lys
35 40 45
Pro Leu Ser Val Ser Tyr Asp Gln Ala Thr Ser Leu Arg Ile Leu
50 55 60
Asn Asn Gly His Ala Phe Asn Val Glu Phe Asp Asp Ser Gln Asp
65 70 75
Lys Ala Val Leu Lys Gly Gly Pro Leu Asp Gly Thr Tyr Arg Leu
80 85 90
Ile Gln Phe His Phe His Trp Gly Ser Leu Asp Gly Gln Gly Ser
95 100 105
Glu His Thr Val Asp Lys Lys Lys Tyr Ala Ala Glu Leu His Leu
110 115 120
Val His Trp Asn Thr Lys Tyr Gly Asp Phe Gly Lys Ala Val Gln
125 130 135
Gln Pro Asp Gly Leu Ala Val Leu Gly Ile Phe Leu Lys Val Gly
140 145 150
Ser Ala Lys Pro Gly Leu Gln Lys Val Val Asp Val Leu Asp Ser

```

Ile Lys Thr Lys	155		160		165
Gly Lys Ser Ala Asp		Phe Thr Asn Phe Asp	Pro		
170		175		180	
Arg Gly Leu Leu	Pro Glu Ser Leu Asp	Tyr Trp Thr Tyr Pro	Gly		
185		190		195	
Ser Leu Thr Thr	Pro Pro Leu Leu Glu	Cys Val Thr Trp Ile	Val		
200		205		210	
Leu Lys Glu Pro	Ile Ser Val Ser Ser	Glu Gln Val Leu Lys	Phe		
215		220		225	
Arg Lys Leu Asn	Phe Asn Gly Glu Gly	Glu Pro Glu Glu Leu	Met		
230		235		240	
Val Asp Asn Trp	Arg Pro Ala Gln Pro	Leu Lys Asn Arg Gln	Ile		
245		250		255	
Lys Ala Ser Phe	Lys				
260					

<210> 118
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 429183.1

<220>
 <221> unsure
 <222> 265, 290, 331-332, 356, 470
 <223> a, t, c, g, or other

<400> 118
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 agggccagct tgacgttcat cagctcctag tactcacgca gctgccgcgc catgtcctgc 120
 ttggccgggt ggagggcggc ctccagctcg gacagcttgg cgttggcacc cttaactgcc 180
 cagctcctca ggctgctcgg catctgtgat ggcggcctcc aggggaagccc tctggccttt 240
 gaggcactca gtctcagcct ggagnccact gatgttccag ttcatctcgn aggtctcagt 300
 ctttgtatgc tgcacgtcat ccccgctgctt nncagacagc gtctggagct cctcanactt 360
 gatctggtac atgctctcaa cctcagccca gctgcggtta gcgatctcct agtactgcgc 420
 cttgagctca gcgatgactc tatgtccagg gaggcgctgt tgtccatggn cagctccaca 480
 gacgtgtccg agatctgggt ctgcagct 508

<210> 119
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2757583CB1

<400> 119
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 gctcctgcgc cgctgggtgc tcctgcacct gcgctgggtc ctgcaagtgc aaagagtgc 180
 aatgcacctc ctgcaagaag agctgctgct cctgctgccc cgtgggctgt agcaagtgtg 240
 cccagggtcg tgtttgcaaa ggggcgtcag agaagtgcag ctgctgcgac tgatgccagg 300
 acaacctttc tcccagatgt aaacagagag acatgtacaa acctggattt tttttttata 360
 ccaccttgac ccatttgcta cattcctttt cctgtgaaat atgtgagtga taattaaaca 420
 ctttagacct gaaaaaaaaa aa 442

<210> 120
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2757583CD1

<400> 120

Met Asp Pro Asn Cys Ser Cys Ala Ala Gly Val Ser Cys Thr Cys
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 Ala Gly Ser Cys Lys Cys Lys Glu Cys Lys Cys Thr Ser Cys Lys
 20 25 30
 Lys Ser Cys Cys Ser Cys Cys Pro Val Gly Cys Ser Lys Cys Ala
 35 40 45
 Gln Gly Cys Val Cys Lys Gly Ala Ser Glu Lys Cys Ser Cys Cys
 50 55 60
 Asp

<210> 121

<211> 3686

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1344279CB1

<400> 121

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 acaccgttcc tggatctcct ctccccaggc ggagcgtgcc cctgcccagt ccagtgcact 180
 tcgcctgttg gagccctggt taatttttgc ccagtctgcc tgttgtgggg ctctccctct 240
 ttggggatat aagcccgccc tggggctgct ccgttctctg cctggcctga ggctccctga 300
 gccgcctccc caccatcacc atggccaagg gcttctatat ttccaagtcc ctgggcatcc 360
 tggggatcct cctgggcgtg gcagccgtgt gcacaatcat cgcactgtca gtgggtgtact 420
 cccaggagaa gaacaagaac gccaacagct ccccggtggc ctccaccacc ccgtccgctt 480
 cagccaccac caaccccgcc tcggccacca ccttggacca aagtaaagcg tggaaatcgtt 540
 accgcctccc caacacgtg aaacccgatt cctaccaggt gacgctgaga ccgtacctca 600
 cccccaatga cagggggcctg tacgttttta agggctccag caccgtccgt ttcacctgca 660
 aggaggccac tgacgtcacc atcatccaca gcaagaagct caactacacc ctccagccagg 720
 ggcacagggt ggtcctgcgt ggtgtgggag gctcccagcc ccccgacatt gacaagactg 780
 agctggttga gccaccgag tacctggttg tgcacctcaa gggctccctg gtgaaggaca 840
 gccagtatga gatggacagc gatttcgagg gggagtggc agatgacctg gcgggcttct 900
 accgcagcga gtacatggag ggcaatgtca gaaagggtgt ggccactaca cagatgcagg 960
 ctgcagatgc ccggaagtcc ttcccatgct tcgatgagcc ggccatgaag gccgagttca 1020
 acatcacgct tatccacccc aaggacctga cagccctgtc caacatgctt cccaaagggtc 1080
 ccagcaccac acttcagaa gaccccaact ggaatgtcac tgagttccac accacgcca 1140
 agatgtccac gtacttgctg gccttcattg tcagttagtt cgactacgtg gagaagcagg 1200
 cateaatagg tgtcttgatc cggatctggg ccggcccag tgccattgct gcggggccac 1260
 ggcattatgc cctgaacgtg acaggcccca ctcttaactt ctttgcctgt cattatgaca 1320
 caccctaccc actcccaaaa tcagaccaga ttggcctgcc agacttcaac gccggcgcca 1380
 tggagaactg gggactgggtg acctaccggg agaactccct gctgttcgac cccctgtcct 1440
 cctccagcag caacaaggag cgggtggtca ctgtgattgc tcatgagctg gccaccaggt 1500
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 tcatggtgct gaatgatgtg taccgctga tggcagtga tgactggcc tctcccacc 1680
 cgctgtccac acccgctcg gagatcaaca cgccggcca gatcagtgag ctgtttgacg 1740
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 ccaccgtgag ggacatcatg aaccgctgga cctgcagat gggcttcccg gtcatacagg 1980
 tggataccag cagggggacc ctttcccagg agcacttct ccttgacccc gattccaatg 2040
 ttaccgccc ctcagaattc aactacgtgt ggattgtgcc catcacatcc atcagagatg 2100
 gcagacagca gcaggactac tggctgatag atgtaagagc ccagaacgat ctcttcagca 2160
 catcaggcaa tgagtgggtc ctgctgaacc tcaatgtgac gggctattac cgggtgaact 2220
 acgacgaaga gaactggagg aagattcaga ctgagctgca gagagaccac tcggccatcc 2280
 ctgtcatcaa tcgggcacag atcattaatg acgccttcaa cctggccagt gcccataagg 2340
 tccctgtcac tctggcgctg aacaacaccc tcttctgat tgaagagaga cagtacatgc 2400
 cctgggaggc cgcctgagc agcctgagct acttcaagct caagctcatg tttgaccgct 2460

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ccgaggtcta tggcccatg aagaactacc tgaagaagca ggtcacaccc ctcttcattc 2520
acttcagaaa taataccaac aactggaggg agatcccaga aaacctgatg gaccagtaca 2580
gcgaggttaa tgccatcagc accgctgtct ccaacggagt tccagagtgt gaggagatgg 2640
tctctggcct tttcaagcag tggatggaga accccaataa taacccgatc caccccaacc 2700
tgcggtccac tgtctactgc aacgctatcg ccagggcggg ggaggaggag tgggacttcg 2760
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gtgggtggctc gttctccttc tccaacctca tccaggcagt gacacgacga ttctccaccg 3060
agtatgagct gcagcagctg gagcagttca agaaggacaa cgaggaaaca ggcttcggct 3120
caggcaccgg ggccctggag caagccctgg agaagacgaa agccaacatc aagtgggtga 3180
aggagaacaa ggaggtgggt ctccagtggg tcacagaaaa cagcaaatag tccccagccc 3240
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gggcctccat tcctggagcc cgaggacca gtgtcctccc ctcaaggaca aagtctccag 3360
cccacgttct ctctgcctgt gagccagtct agttcctgat gaccagget gctgagcac 3420
ctcccagccc ctgcccctca tgccaacccc gccctaggcc tggcatggca cctgtcggcc 3480
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gatggacaat gaacggcctt gctggggggc gccctgtacc ctctttcacc tttccctaaa 3600
gaccctaaat ctgaggaatc aacagggcag cagatctgta tatttttttc taagagaaaa 3660
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<210> 122

<211> 969

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1344279CD1

<400> 122

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Ile Leu Leu Gly Val Ala Ala Val Cys Thr Ile Ile Ala Leu Ser
  20                25                30
Val Val Tyr Ser Gln Glu Lys Asn Lys Asn Ala Asn Ser Ser Pro
  35                40                45
Val Ala Ser Thr Thr Pro Ser Ala Ser Ala Thr Thr Asn Pro Ala
  50                55                60
Ser Ala Thr Thr Leu Asp Gln Ser Lys Ala Trp Asn Arg Tyr Arg
  65                70                75
Leu Pro Asn Thr Leu Lys Pro Asp Ser Tyr Gln Val Thr Leu Arg
  80                85                90
Pro Tyr Leu Thr Pro Asn Asp Arg Gly Leu Tyr Val Phe Lys Gly
  95                100               105
Ser Ser Thr Val Arg Phe Thr Cys Lys Glu Ala Thr Asp Val Ile
  110               115               120
Ile Ile His Ser Lys Lys Leu Asn Tyr Thr Leu Ser Gln Gly His
  125               130               135
Arg Val Val Leu Arg Gly Val Gly Gly Ser Gln Pro Pro Asp Ile
  140               145               150
Asp Lys Thr Glu Leu Val Glu Pro Thr Glu Tyr Leu Val Val His
  155               160               165
Leu Lys Gly Ser Leu Val Lys Asp Ser Gln Tyr Glu Met Asp Ser
  170               175               180
Glu Phe Glu Gly Glu Leu Ala Asp Asp Leu Ala Gly Phe Tyr Arg
  185               190               195
Ser Glu Tyr Met Glu Gly Asn Val Arg Lys Val Val Ala Thr Thr
  200               205               210
Gln Met Gln Ala Ala Asp Ala Arg Lys Ser Phe Pro Cys Phe Asp
  215               220               225
Glu Pro Ala Met Lys Ala Glu Phe Asn Ile Thr Leu Ile His Pro
  230               235               240
Lys Asp Leu Thr Ala Leu Ser Asn Met Leu Pro Lys Gly Pro Ser
  245               250               255

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Thr	Pro	Leu	Pro	Glu	Asp	Pro	Asn	Trp	Asn	Val	Thr	Glu	Phe	His
				260					265					270
Thr	Thr	Pro	Lys	Met	Ser	Thr	Tyr	Leu	Leu	Ala	Phe	Ile	Val	Ser
				275					280					285
Glu	Phe	Asp	Tyr	Val	Glu	Lys	Gln	Ala	Ser	Asn	Gly	Val	Leu	Ile
				290					295					300
Arg	Ile	Trp	Ala	Arg	Pro	Ser	Ala	Ile	Ala	Ala	Gly	His	Gly	Asp
				305					310					315
Tyr	Ala	Leu	Asn	Val	Thr	Gly	Pro	Ile	Leu	Asn	Phe	Phe	Ala	Gly
				320					325					330
His	Tyr	Asp	Thr	Pro	Tyr	Pro	Leu	Pro	Lys	Ser	Asp	Gln	Ile	Gly
				335					340					345
Leu	Pro	Asp	Phe	Asn	Ala	Gly	Ala	Met	Glu	Asn	Trp	Gly	Leu	Val
				350					355					360
Thr	Tyr	Arg	Glu	Asn	Ser	Leu	Leu	Phe	Asp	Pro	Leu	Ser	Ser	Ser
				365					370					375
Ser	Ser	Asn	Lys	Glu	Arg	Val	Val	Thr	Val	Ile	Ala	His	Glu	Leu
				380					385					390
Ala	His	Gln	Trp	Phe	Gly	Asn	Leu	Val	Thr	Ile	Glu	Trp	Trp	Asn
				395					400					405
Asp	Leu	Trp	Leu	Asn	Glu	Gly	Phe	Ala	Ser	Tyr	Val	Glu	Tyr	Leu
				410					415					420
Gly	Ala	Asp	Tyr	Ala	Glu	Pro	Thr	Trp	Asn	Leu	Lys	Asp	Leu	Met
				425					430					435
Val	Leu	Asn	Asp	Val	Tyr	Arg	Val	Met	Ala	Val	Asp	Ala	Leu	Ala
				440					445					450
Ser	Ser	His	Pro	Leu	Ser	Thr	Pro	Ala	Ser	Glu	Ile	Asn	Thr	Pro
				455					460					465
Ala	Gln	Ile	Ser	Glu	Leu	Phe	Asp	Ala	Ile	Ser	Tyr	Ser	Lys	Gly
				470					475					480
Ala	Ser	Val	Leu	Arg	Met	Leu	Ser	Ser	Phe	Leu	Ser	Glu	Asp	Val
				485					490					495
Phe	Lys	Gln	Gly	Leu	Ala	Ser	Tyr	Leu	His	Thr	Phe	Ala	Tyr	Gln
				500					505					510
Asn	Thr	Ile	Tyr	Leu	Asn	Leu	Trp	Asp	His	Leu	Gln	Glu	Ala	Val
				515					520					525
Asn	Asn	Arg	Ser	Ile	Gln	Leu	Pro	Thr	Thr	Val	Arg	Asp	Ile	Met
				530					535					540
Asn	Arg	Trp	Thr	Leu	Gln	Met	Gly	Phe	Pro	Val	Ile	Thr	Val	Asp
				545					550					555
Thr	Ser	Thr	Gly	Thr	Leu	Ser	Gln	Glu	His	Phe	Leu	Leu	Asp	Pro
				560					565					570
Asp	Ser	Asn	Val	Thr	Arg	Pro	Ser	Glu	Phe	Asn	Tyr	Val	Trp	Ile
				575					580					585
Val	Pro	Ile	Thr	Ser	Ile	Arg	Asp	Gly	Arg	Gln	Gln	Gln	Asp	Tyr
				590					595					600
Trp	Leu	Ile	Asp	Val	Arg	Ala	Gln	Asn	Asp	Leu	Phe	Ser	Thr	Ser
				605					610					615
Gly	Asn	Glu	Trp	Val	Leu	Leu	Asn	Leu	Asn	Val	Thr	Gly	Tyr	Tyr
				620					625					630
Arg	Val	Asn	Tyr	Asp	Glu	Glu	Asn	Trp	Arg	Lys	Ile	Gln	Thr	Gln
				635					640					645
Leu	Gln	Arg	Asp	His	Ser	Ala	Ile	Pro	Val	Ile	Asn	Arg	Ala	Gln
				650					655					660
Ile	Ile	Asn	Asp	Ala	Phe	Asn	Leu	Ala	Ser	Ala	His	Lys	Val	Pro
				665					670					675
Val	Thr	Leu	Ala	Leu	Asn	Asn	Thr	Leu	Phe	Leu	Ile	Glu	Glu	Arg
				680					685					690
Gln	Tyr	Met	Pro	Trp	Glu	Ala	Ala	Leu	Ser	Ser	Leu	Ser	Tyr	Phe
				695					700					705
Lys	Leu	Lys	Leu	Met	Phe	Asp	Arg	Ser	Glu	Val	Tyr	Gly	Pro	Met
				710					715					720
Lys	Asn	Tyr	Leu	Lys	Lys	Gln	Val	Thr	Pro	Leu	Phe	Ile	His	Phe
				725					730					735
Arg	Asn	Asn	Thr	Asn	Asn	Trp	Arg	Glu	Ile	Pro	Glu	Asn	Leu	Met
				740					745					750

Asp	Gln	Tyr	Ser	Glu	Val	Asn	Ala	Ile	Ser	Thr	Ala	Cys	Ser	Asn	
				755					760					765	
Gly	Val	Pro	Glu	Cys	Glu	Glu	Met	Val	Ser	Gly	Leu	Phe	Lys	Gln	
				770					775					780	
Trp	Met	Glu	Asn	Pro	Asn	Asn	Asn	Pro	Ile	His	Pro	Asn	Leu	Arg	
				785					790					795	
Ser	Thr	Val	Tyr	Cys	Asn	Ala	Ile	Ala	Gln	Gly	Gly	Glu	Glu	Glu	
				800					805					810	
Trp	Asp	Phe	Ala	Trp	Glu	Gln	Phe	Arg	Asn	Ala	Thr	Leu	Val	Asn	
				815					820					825	
Glu	Ala	Asp	Lys	Leu	Arg	Ala	Ala	Leu	Ala	Cys	Ser	Lys	Glu	Leu	
				830					835					840	
Trp	Ile	Leu	Asn	Arg	Tyr	Leu	Ser	Tyr	Thr	Leu	Asn	Pro	Asp	Leu	
				845					850					855	
Ile	Arg	Lys	Gln	Asp	Ala	Thr	Ser	Thr	Ile	Ile	Ser	Ile	Thr	Asn	
				860					865					870	
Asn	Val	Ile	Gly	Gln	Gly	Leu	Val	Trp	Asp	Phe	Val	Gln	Ser	Asn	
				875					880					885	
Trp	Lys	Lys	Leu	Phe	Asn	Asp	Tyr	Gly	Gly	Gly	Ser	Phe	Ser	Phe	
				890					895					900	
Ser	Asn	Leu	Ile	Gln	Ala	Val	Thr	Arg	Arg	Phe	Ser	Thr	Glu	Tyr	
				905					910					915	
Glu	Leu	Gln	Gln	Leu	Glu	Gln	Phe	Lys	Lys	Asp	Asn	Glu	Glu	Thr	
				920					925					930	
Gly	Phe	Gly	Ser	Gly	Thr	Arg	Ala	Leu	Glu	Gln	Ala	Leu	Glu	Lys	
				935					940					945	
Thr	Lys	Ala	Asn	Ile	Lys	Trp	Val	Lys	Glu	Asn	Lys	Glu	Val	Val	
				950					955					960	
Leu	Gln	Trp	Phe	Thr	Glu	Asn	Ser	Lys							
				965											

<210> 123
 <211> 836
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1329472.2

<220>
 <221> unsure
 <222> 479
 <223> a, t, c, g, or other

<400> 123
 ggagcccagc tgtgctgtgg gctcaggagg cagagctctg ggaatctcac catggcctgg 60
 acccctctcc tgetccccct cctcactttc tgcacagtct ctgaggcctc ctatgagctg 120
 acacagccac cctcggtgtc agtgtcccca ggacaaacgg ccaggatcac ctgctctgga 180
 gatacattgc caaaaaactc tgcttattgg taccagcaga agtcaggcca ggccccgggtg 240
 ctgggtcatct atgaggacac caaacgaccc tccgagatcc ctgagagatt ctctggctcc 300
 agctcaggga caatgccacc ttgactatca gtggggccca gtggaggatg aagctgacta 360
 ctactgttac tcaacagaca ggggtgttcgg cggagggacc aaggtgaccg tctaggtca 420
 gcccagggt gccccctcgg tcaactctgtt cccaccctcc tctgaggagc ttcaagccna 480
 caaggccaca ctgggtgtgtc tcataagtga cttctaccgg tgagccaccg cgcccagccc 540
 attgtatttt cttaacagac agatattgtc ttcttgacta tcagtggggc ccagggtggag 600
 gatgaagctg actactactg ttactcaaca gacagggtgt tcggcggagg gaccaagggtg 660
 accgtcctag gtcagcccaa ggctgcccc cgggtcactc tgttcccacc ctctctgag 720
 gagcttcaag ccaacaaggc cacactgggtg tgtctcataa gtgacttcta cccgggagcc 780
 gtgacagtgg cctggaaggc agatagcagc cccgtcaagg cgggagtgga gaccac 836

<210> 124
 <211> 684
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 474457.35

<400> 124

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atttggtgcc tgtgtcaagg ggcagtgtctt cagtcgggggt ggagctgtctt aaaaggcctg 60
ggatcacacc ctttggaac acatccaagc ttaagacggg gaggtcagct tcacattctc 120
aggaactctc cttctttggg ccacggaatt aaccggagca ggcatggagg cctctgtctc 180
cacctcatca gcagtgacca gtgtggccaa agtgggtcagg gtggcctctg gctctgcctg 240
agttttgccc ctggccagga ttgctacagt tgtgattgga ggagttgtgg ctgtgcccat 300
ggtgtctcagt gccatgggct tctactgcggc gggaatcgcc tcgtcctcca tagcagccaa 360
gatgatgtcc gcggcggcca ttgccaatgg ggggtggagt gcctcgggca gccttgtggc 420
tactctgcag tctactggag caactggact ctccggattg accaagttca tcctgggctc 480
cattgggtct gccattgcgg ctgtcattgc gaggttctac tagctccctg cccctcgccc 540
tgcagagaag agaaccatgc caggggagaa ggcaccagc catcctgacc cagcgaggag 600
ccaactatcc caaatatacc tggggtgaaa tataccaaat tctgcatctc cagaggaaag 660
tgagaaatag agatgaagtg ttgt                                     684

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<210> 125

<211> 644

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 474457.45

<400> 125

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taagacggtg aggtcagctt cacattctca ggaactctcc ttctttgggt ctggctgaag 60
ttgaggatct cttactctct aggccacgga attaaccgga gcaggcatgg aggcctctgc 120
tctcacctca tcagcagtga ccagtgtggc caaagtggtc aggggtggcct ctggctctgc 180
cgtagttttg cccctggcca ggattgtctac agttgtgatt ggaggagtgtg ttggtgtgct 240
catgggtgctc agtgccatgg gcttcaactgc ggcggaatc gcctcgtcct ccatagcagc 300
caagatgatg tccgcggcgg ccattgccaa tgggggtgga gttgcctcgg gcagccttgt 360
ggctactctg cagtcactgg gagcaactgg actctccgga ttgaccaagt tcactcctggg 420
ctccattggg tctgccattg cggctgtcat tgcgaggttc tactagctcc ctgcccctcg 480
ccctgcagag aagagaacca tgccagggga gaaggcacc agccatcctg acccagcgag 540
gagccaacta tcccaaatat acctgggggtg aaatatacca aattctgcat ctccagagga 600
aaataagaaa taaagatgaa ttgttgcaac tctaaaaaaa aaaa                                     644

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<210> 126

<211> 1115

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 898779CB1

<400> 126

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ttagccaggt gtgttggcac attcctgtaa tcccagctac tcaggaggct gaaacaggag 60
aatcgcttga acccgggagg tggaggttgc agtgagccga gatcacacca ctgcactcca 120
gcctgggcca cagagcaaga cttcatctca aaaaaaaaaa aaaaggcgcg cgctcctcgc 180
cagcagccgt ccggagccag ccaacgagcg gaaaatggca gacaattttt cgctccatga 240
tgcgttatct ggggtctggaa acccaaacc tcaaggatgg cctggcgcct gggggaacca 300
gcctgtgggg gcagggggct acccaggggc ttctatcct ggggcctacc ccgggcaggc 360
acccccaggg gcttatcctg gacaggcacc tccaggcgcc taccatggag cacctggagc 420
ttatcccggg gcacctgcac ctggagtcta cccagggcca cccagcggcc ctggggccta 480
cccatcttct ggacagccaa gtgccccggc agcctaccct gccactggcc cctatggcgc 540
ccctgctggg ccactgattg tgccttataa cctgcctttg cctgggggag tgggtgcctcg 600
catgctgata acaattctgg gcacggtgaa gccaatgca aacagaattg ctttagattt 660
ccaaagaggg aatgatgttg ccttccactt taaccacgc ttcaatgaga acaacaggag 720
agtcattgtt tgcaatacaa agctggataa taactgggga agggaagaaa gacagtcggg 780
tttcccattt gaaagtggga aaccattcaa aatacaagta ctggttgaac ctgaccactt 840
caaggttgca gtgaatgatg ctcaattgtt gcagtacaat catcgggtta aaaaactcaa 900
tgaaatcagc aaactgggaa tttctgggtg catagacctc accagtgcct catataccat 960

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gatataatct gaaaggggca gattaaaaaa aaaaaaagaa tctaaacctt acatgtgtaa 1020
 aggtttcatg ttcactgtga gtgaaaattt ttacattcat caatatccct cttgtaagtc 1080
 atctacttaa taaatattac agtgaaaaaa aaaaa 1115

<210> 127
 <211> 250
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 898779CD1

<400> 127
 Met Ala Asp Asn Phe Ser Leu His Asp Ala Leu Ser Gly Ser Gly
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 Asn Pro Asn Pro Gln Gly Trp Pro Gly Ala Trp Gly Asn Gln Pro
 20 25 30
 Ala Gly Ala Gly Gly Tyr Pro Gly Ala Ser Tyr Pro Gly Ala Tyr
 35 40 45
 Pro Gly Gln Ala Pro Pro Gly Ala Tyr Pro Gly Gln Ala Pro Pro
 50 55 60
 Gly Ala Tyr His Gly Ala Pro Gly Ala Tyr Pro Gly Ala Pro Ala
 65 70 75
 Pro Gly Val Tyr Pro Gly Pro Pro Ser Gly Pro Gly Ala Tyr Pro
 80 85 90
 Ser Ser Gly Gln Pro Ser Ala Pro Gly Ala Tyr Pro Ala Thr Gly
 95 100 105
 Pro Tyr Gly Ala Pro Ala Gly Pro Leu Ile Val Pro Tyr Asn Leu
 110 115 120
 Pro Leu Pro Gly Gly Val Val Pro Arg Met Leu Ile Thr Ile Leu
 125 130 135
 Gly Thr Val Lys Pro Asn Ala Asn Arg Ile Ala Leu Asp Phe Gln
 140 145 150
 Arg Gly Asn Asp Val Ala Phe His Phe Asn Pro Arg Phe Asn Glu
 155 160 165
 Asn Asn Arg Arg Val Ile Val Cys Asn Thr Lys Leu Asp Asn Asn
 170 175 180
 Trp Gly Arg Glu Glu Arg Gln Ser Val Phe Pro Phe Glu Ser Gly
 185 190 195
 Lys Pro Phe Lys Ile Gln Val Leu Val Glu Pro Asp His Phe Lys
 200 205 210
 Val Ala Val Asn Asp Ala His Leu Leu Gln Tyr Asn His Arg Val
 215 220 225
 Lys Lys Leu Asn Glu Ile Ser Lys Leu Gly Ile Ser Gly Asp Ile
 230 235 240
 Asp Leu Thr Ser Ala Ser Tyr Thr Met Ile
 245 250

<210> 128
 <211> 2528
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1843408CB1

<400> 128
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 aaacctgtgg atctcccttc gagatcatcc aaagagaaga aaggtaagta gagctttgca 120
 ttacattttt gaaaaattac aaagatgaac tcattttttt cctgagagca ataactattt 180
 ggcaatgcac agccctggca aaaggccgctc gaatgtgttt gaaggtgtct gttgttgttt 240
 ttgttcagga cgcttgcggtt ttctatttca ggtgacctca cattcgtgcc ccttagcagc 300
 actctgcaga aatgcctcct cagctgcaaa acggcctgaa cctctcggcc aaagttgtcc 360
 agggaagcct ggacagccta cccagggcag tgaggagatt tctcgagaat aacgctgagc 420

tgtgtcagcc tgatcacatc cacatctgtg acggctctga ggaggagaat gggcggttc 480
 tgggccagat ggaggaagag ggcacctca ggcggctgaa gaagtatgac aactgctggt 540
 tggtctcac tgacccagag gatgtggcca ggatcgaaag caagacgggtt atcgtcacc 600
 aagagcaaag agacacagt cccatcccca aaacaggcct cagccagctc ggtcgtctgga 660
 tgtcagagga ggattttgag aaagcgttca atgccagggtt cccagggtgc atgaaagggtc 720
 gcacatgta cgtcatccca ttcagcatgg ggcgctggg ctcacctctg tcgaagatcg 780
 gcacgagct gacggattcg cctacgtgg tggccagcat gcggatcatg acgcggtgg 840
 gcacgcccgt cctggaagca ctggcgatg gggagtgtgt caaatgcctc cattctgtgg 900
 ggtgccctct gcctttacaa aagcctttgg tcaacaactg gccctgcaac cgggagctga 960
 cgctcatcgc ccacctgect gaccgcagag agatcatctc ctttggcagt ggggtacggcg 1020
 ggaactcgct gctcggaag aagtgtttt ctctcaggat ggccagccgg ctggccaagg 1080
 aggaagggtg gctggcagag cacatgctga ttctgggtat aaccaaccct gaggggtgaga 1140
 agaagtacct ggcgccgca tttccagcg cctgcgggaa gaccaacctg gccatgatga 1200
 accccagcct ccccggtgg aaggttgagt gcgtcgggga tgacattgct tggatgaagt 1260
 ttgacgcaca aggtcattta agggccatca acccagaaaa tggctttttc ggtgtcgtc 1320
 ctgggacttc agtgaagacc aaccccaatg ccatcaagac catccagaag aacacaatct 1380
 ttaccaatgt ggccgagacc agcgacgggg gcgtttactg ggaaggcatt gatgagccgc 1440
 tagcttcagg cgtcaccatc acgtcctgga agaataagga gtggagctca gaggatgggg 1500
 aaccttgtgc ccaccccaac tcgaggttct gcacccctgc cagccagtgc cccatcattg 1560
 atgtgtcctg ggagtctcgg gaaggtgttc ccattgaagg cattatcttt ggaggccgta 1620
 gacctgtctg tgctcctcta gtctatgaag ctctcagctg gcaacatgga gtctttgtgg 1680
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 ggcttagcat ggcccagcac ccagcagcca aactgcccga gatcttccat gtcactgggt 1860
 tccggaagga caaggaaggc aaattcctct ggccaggctt tggagagaaac tccagggtgc 1920
 tggagtggat gttcaaccgg atcgatggaa aagccagcac caagctcacg cccatagggt 1980
 acatcccaa ggagatgcc ctgaacctga aaggcctggg gcacatcaac atgatggagc 2040
 ttttcagcat ctccaaggaa ttctgggaga aggagtgga agacatcgag aagtatctgg 2100
 aggatcaagt caatgccgac ctcccctgtg aaatcgagag agagatcctt gccttgaagc 2160
 aaagaataag ccagatgtaa tcagggcctg agaataagcc agatgtaatc agggcctgag 2220
 tgctttacct ttaaaatcat taaattaaaa tccataaggt gcagtaggag caagagaggg 2280
 caagtgttcc caaattgacg ccaccataat aatcatcacc acaccgtgag cagatctgaa 2340
 aggcacactt tgattttttt aaggataaga accacagaac actgggtagt agctaataaa 2400
 attgagaagg gaaatcttag catgcctcca aaaattcaca tccaatgcat agtttgttca 2460
 aatttaagg tactcaggca ttgatctttt cagtgttttt tcacttttagc tatgtggatt 2520
 agctagaa 2528

<210> 129
 <211> 622
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1843408CD1

<400> 129
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 Val Gln Gly Ser Leu Asp Ser Leu Pro Gln Ala Val Arg Glu Phe
 20 25 30
 Leu Glu Asn Asn Ala Glu Leu Cys Gln Pro Asp His Ile His Ile
 35 40 45
 Cys Asp Gly Ser Glu Glu Glu Asn Gly Arg Leu Leu Gly Gln Met
 50 55 60
 Glu Glu Glu Gly Ile Leu Arg Arg Leu Lys Lys Tyr Asp Asn Cys
 65 70 75
 Trp Leu Ala Leu Thr Asp Pro Arg Asp Val Ala Arg Ile Glu Ser
 80 85 90
 Lys Thr Val Ile Val Thr Gln Glu Gln Arg Asp Thr Val Pro Ile
 95 100 105
 Pro Lys Thr Gly Leu Ser Gln Leu Gly Arg Trp Met Ser Glu Glu
 110 115 120
 Asp Phe Glu Lys Ala Phe Asn Ala Arg Phe Pro Gly Cys Met Lys
 125 130 135
 Gly Arg Thr Met Tyr Val Ile Pro Phe Ser Met Gly Pro Leu Gly

				140					145					150
Ser	Pro	Leu	Ser	Lys	Ile	Gly	Ile	Glu	Leu	Thr	Asp	Ser	Pro	Tyr
				155					160					165
Val	Val	Ala	Ser	Met	Arg	Ile	Met	Thr	Arg	Met	Gly	Thr	Pro	Val
				170					175					180
Leu	Glu	Ala	Leu	Gly	Asp	Gly	Glu	Phe	Val	Lys	Cys	Leu	His	Ser
				185					190					195
Val	Gly	Cys	Pro	Leu	Pro	Leu	Gln	Lys	Pro	Leu	Val	Asn	Asn	Trp
				200					205					210
Pro	Cys	Asn	Pro	Glu	Leu	Thr	Leu	Ile	Ala	His	Leu	Pro	Asp	Arg
				215					220					225
Arg	Glu	Ile	Ile	Ser	Phe	Gly	Ser	Gly	Tyr	Gly	Gly	Asn	Ser	Leu
				230					235					240
Leu	Gly	Lys	Lys	Cys	Phe	Ala	Leu	Arg	Met	Ala	Ser	Arg	Leu	Ala
				245					250					255
Lys	Glu	Glu	Gly	Trp	Leu	Ala	Glu	His	Met	Leu	Ile	Leu	Gly	Ile
				260					265					270
Thr	Asn	Pro	Glu	Gly	Glu	Lys	Lys	Tyr	Leu	Ala	Ala	Ala	Phe	Pro
				275					280					285
Ser	Ala	Cys	Gly	Lys	Thr	Asn	Leu	Ala	Met	Met	Asn	Pro	Ser	Leu
				290					295					300
Pro	Gly	Trp	Lys	Val	Glu	Cys	Val	Gly	Asp	Asp	Ile	Ala	Trp	Met
				305					310					315
Lys	Phe	Asp	Ala	Gln	Gly	His	Leu	Arg	Ala	Ile	Asn	Pro	Glu	Asn
				320					325					330
Gly	Phe	Phe	Gly	Val	Ala	Pro	Gly	Thr	Ser	Val	Lys	Thr	Asn	Pro
				335					340					345
Asn	Ala	Ile	Lys	Thr	Ile	Gln	Lys	Asn	Thr	Ile	Phe	Thr	Asn	Val
				350					355					360
Ala	Glu	Thr	Ser	Asp	Gly	Gly	Val	Tyr	Trp	Glu	Gly	Ile	Asp	Glu
				365					370					375
Pro	Leu	Ala	Ser	Gly	Val	Thr	Ile	Thr	Ser	Trp	Lys	Asn	Lys	Glu
				380					385					390
Trp	Ser	Ser	Glu	Asp	Gly	Glu	Pro	Cys	Ala	His	Pro	Asn	Ser	Arg
				395					400					405
Phe	Cys	Thr	Pro	Ala	Ser	Gln	Cys	Pro	Ile	Ile	Asp	Ala	Ala	Trp
				410					415					420
Glu	Ser	Pro	Glu	Gly	Val	Pro	Ile	Glu	Gly	Ile	Ile	Phe	Gly	Gly
				425					430					435
Arg	Arg	Pro	Ala	Gly	Val	Pro	Leu	Val	Tyr	Glu	Ala	Leu	Ser	Trp
				440					445					450
Gln	His	Gly	Val	Phe	Val	Gly	Ala	Ala	Met	Arg	Ser	Glu	Ala	Thr
				455					460					465
Ala	Ala	Ala	Glu	His	Lys	Gly	Lys	Ile	Ile	Met	His	Asp	Pro	Phe
				470					475					480
Ala	Met	Arg	Pro	Phe	Phe	Gly	Tyr	Asn	Phe	Gly	Lys	Tyr	Leu	Ala
				485					490					495
His	Trp	Leu	Ser	Met	Ala	Gln	His	Pro	Ala	Ala	Lys	Leu	Pro	Lys
				500					505					510
Ile	Phe	His	Val	Asn	Trp	Phe	Arg	Lys	Asp	Lys	Glu	Gly	Lys	Phe
				515					520					525
Leu	Trp	Pro	Gly	Phe	Gly	Glu	Asn	Ser	Arg	Val	Leu	Glu	Trp	Met
				530					535					540
Phe	Asn	Arg	Ile	Asp	Gly	Lys	Ala	Ser	Thr	Lys	Leu	Thr	Pro	Ile
				545					550					555
Gly	Tyr	Ile	Pro	Lys	Glu	Asp	Ala	Leu	Asn	Leu	Lys	Gly	Leu	Gly
				560					565					570
His	Ile	Asn	Met	Met	Glu	Leu	Phe	Ser	Ile	Ser	Lys	Glu	Phe	Trp
				575					580					585
Glu	Lys	Glu	Val	Glu	Asp	Ile	Glu	Lys	Tyr	Leu	Glu	Asp	Gln	Val
				590					595					600
Asn	Ala	Asp	Leu	Pro	Cys	Glu	Ile	Glu	Arg	Glu	Ile	Leu	Ala	Leu
				605					610					615
Lys	Gln	Arg	Ile	Ser	Gln	Met								
				620										

<210> 130
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 351241.1

<400> 130
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 gcttttctgt attacattac ctcacctctt tggcttttgt gagtagcaga gattaccttg 180
 tactgtgaga ggattttacc ttgatgtgtg tactggcgga tgagagctac aaagttaaag 240
 ctgactgagg acagttttaca ggaagcagtc ttcactgttt tgttttttcc acctaggaag 300
 ttgttttagga tcctaattctt aattcagagg tgcattctac agagtcttct ccattgcctt 360
 tcctctcaaa attaatcttg attggcttct ctgggcattt gcgtgaggaa ctgaaactca 420
 ttttcataga taaatgagag aatgagtttc ctcagctccc taaagggcat tttgcttctc 480
 ccagctgaaa ggctccccctg gattactagg ggctaagtgg gagtgcttag tgggttgacc 540
 cccagcaacg tgcagcagcc ctacagggaa tccccaaaca aattagtttt aaaaggcttg 600
 tccaagaaat gaatatagga gctggtcatt ccattgcttt agccctctctg gaggtgctag 660
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 gcacacttca acccatccca ctaaacccta ggctttt 757

<210> 131
 <211> 3036
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 413348.40

<400> 131
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 ggagaagcct ggggcttgcc ctggctctct gtctctctcc atcgggagga acagagagcc 180
 aggaccaaaag ctccttatgt aagcaacccc cagcctggag cataagagat caagatccaa 240
 tgctaaactc caatggttca gtgactgtgg ttgctcttct tcaagccagc tgataacctgt 300
 gcatactgca ggcactctaa ttagaagacc tgcgagtaaa actgaagaaa gaaggatatt 360
 ctaatatctt ttatatgttt gttaatcatc aaggaaatctc ttctcgatta aaatacacac 420
 atcttaagaa taagggttca gagcatattc ctgtttatca acaagaagaa aaccaaacag 480
 atgtctggac tcttttaaat ggaagcaaag atgacttcct catatatgat agatgtggcc 540
 gtcttgtata tcatcttggt ttgccttttt ccttcttaac tttcccatat gtagaagaag 600
 ccattaagat tgcttactgt gaaaagaaat gtggaaactg ctctctcacg actctcaaag 660
 atgaagactt ttgtaaacgt gtatcttttg ctactgtgga taaaacagtt gaaactccat 720
 cgctcatta ccatcatgag catcatcaca atcatggaca tcagcacctt ggcagcagtg 780
 agctttcaga gaatcagcaa ccaggagcac caaatgctcc tactcatcct gctcctccag 840
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 taaatcaatt actctgtaaa ttgccacag attcagagtt ggctcctagg agctgatgct 1020
 gccattgtcg acatctgata tttgaaaaaa cagggtctgc aatcacctga tagtgtaaag 1080
 aaaacctccc atctttatgt agctgacagg gacttcgggc agaggagaac ataactgaat 1140
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 aaatatTTaa aataggacat actccccaat ttagtctaga cacaatttca tttccagcat 1320
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 ggggtttctg ttggataatt agcagtttag aatggaggaa gaacaacaaa gacatgcttt 1620
 ccattttttt ctttacttat ctctcaaaac aatattactt tgtcttttca atcttctact 1680
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 tatttctctg atcttaaaat acttaacacg tgaatatttt gctaaaaaag catatataac 1800
 tattttaaat atccatttat cttttgtata tctaagactc atcctgattt ttactatcac 1860
 acatgaataa agccttttga tctttctttc tctaattgtt tatcatactc ttctaaaact 1920

tgagtggctg	tcttaaaaga	tataagggga	aagataatat	tgtctgtctc	tatatgtgctt	1980
agtaagtatt	tocatagtca	atgatggttt	aataggtaaa	ccaaacccta	taaaccctgac	2040
ctccctttatg	gttaatacta	tttaagcaag	aatgcagtac	agaattggat	acagtacgga	2100
tttgtccaaa	taaattcaat	aaaaacctta	aagctgactt	cgtttgttat	gtaggctgta	2160
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<211> 4440

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 983354.2

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00964363-101404

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<210> 133
 <211> 1456
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 235845.20

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<210> 134
<211> 1398
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 266360.18

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<400> 134
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<210> 135
<211> 694
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 266360.15

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<220>
<221> unsure
<222> 77, 103
<223> a, t, c, g, or other

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<210> 136

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1310030.1

<400> 136

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<210> 137

<211> 1380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2804864CB1

<400> 137

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<210> 138

<211> 198

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2804864CD1

<400> 138

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  35          40          45
Asp Gly Gln Ile Asp Ala Asp Glu Leu Gln Arg Cys Leu Thr Gln
  50          55          60
Ser Gly Ile Ala Gly Gly Tyr Lys Pro Phe Asn Leu Glu Thr Cys
  65          70          75
Arg Leu Met Val Ser Met Leu Asp Arg Asp Met Ser Gly Thr Met
  80          85          90
Gly Phe Asn Glu Phe Lys Glu Leu Trp Ala Val Leu Asn Gly Trp
  95          100         105
Arg Gln His Phe Ile Ser Phe Asp Thr Asp Arg Ser Gly Thr Val
  110         115         120
Asp Pro Gln Glu Leu Gln Lys Ala Leu Thr Thr Met Gly Phe Arg
  125         130         135
Leu Ser Pro Gln Ala Val Asn Ser Ile Ala Lys Arg Tyr Ser Thr
  140         145         150
Asn Gly Lys Ile Thr Phe Asp Asp Tyr Ile Ala Cys Cys Val Lys
  155         160         165
Leu Arg Ala Leu Thr Asp Ser Phe Arg Arg Arg Asp Thr Ala Gln
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<210> 139

<211> 1527

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 349615.7

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tcattagtgt gttggaagag aaatactatt cagtaagctt cgccaaagaa aagtgagtca 1140
aagttaatgt gtgtgtgcat ttatatgtag gcagctcgta gaccacattt tagccagcaa 1200
ctggtaacaa agagcttagt tttccttggt tgaatgctgt agatctgtac ctagtacccc 1260
tcccatctac tgatttggtt gtttttgtaa ccaaacacat tttcagatag aaggagcctt 1320
aaaaaaaaaa aaatcacatt gagtaacttc agtatgaatg aatgagagtg tgtggagcta 1380
cccctcacc cccacccctt tgggcttttt attcccgaat tttccagtc tcttaaacag 1440
aaaaatgact gatataatta tcttttgtaa actgagcctt aatttttttt agaggggggaa 1500
ataagtttcc ccaactcaca cagcata 1527

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<210> 140
 <211> 1114
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 632664CB1

<400> 140
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 gccgcccttc gagggcgccc caggccgcgc catggtgaag gtgacgttca actccgctct 180
 ggcccagaag gaggccaaga aggacgagcc caagagcggc gaggagggcg tcacatcccc 240
 ccccgcagcc gtgcgggtgg actgcaagga ccagatgat gtggtaccag ttggccaaag 300
 aagagcctgg tggtgggtgca tgtgctttgg actagcattt atgcttgacg gtgttattct 360
 aggaggagca tacttgtaca aatattttgc acttcaacca gatgacgtgt actactgtgg 420
 aataaagtac atcaaagatg atgtcatctt aaatgagccc tctgcagatg ccccagctgc 480
 tctctaccag acaattgaag aaaatattaa aatctttgaa gaagaagaag ttgaatttat 540
 cagtgtgcct gtcccagagt ttgcagatag tgatcctgcc aacattgttc atgactttaa 600
 caagaaactt acagcctatt tagatcttaa cctggataag tgctatgtga tccctctgaa 660
 cacttccatt gttatgccac ccagaaacct actggagtta cttattaaca tcaaggctgg 720
 aacctatttg cctcagtcct atctgattca tgagcacatg gttattactg atcgattga 780
 aaacattgat cacctgggtt tctttattta tcgactgtgt catgacaagg aaacttacia 840
 actgcaacgc agagaaacta ttaaaggtat tcagaaacgt gaagccagca attgtttcgc 900
 aattcggcat tttgaaaaca aatttgccgt ggaaacttta atttgttctt gaacagtcaa 960
 gaaaaacatt attgaggaaa attaatatca cagcataaacc ccacccttta cattttgtgc 1020
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 catctcatta attcaattaa aaccattacc ttaa 1114

<210> 141
 <211> 266
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 632664CD1

<400> 141
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 1 5 10 15
 Lys Lys Asp Glu Pro Lys Ser Gly Glu Glu Ala Leu Ile Ile Pro
 20 25 30
 Pro Asp Ala Val Ala Val Asp Cys Lys Asp Pro Asp Asp Val Val
 35 40 45
 Pro Val Gly Gln Arg Arg Ala Trp Cys Trp Cys Met Cys Phe Gly
 50 55 60
 Leu Ala Phe Met Leu Ala Gly Val Ile Leu Gly Gly Ala Tyr Leu
 65 70 75
 Tyr Lys Tyr Phe Ala Leu Gln Pro Asp Asp Val Tyr Tyr Cys Gly
 80 85 90
 Ile Lys Tyr Ile Lys Asp Asp Val Ile Leu Asn Glu Pro Ser Ala
 95 100 105
 Asp Ala Pro Ala Ala Leu Tyr Gln Thr Ile Glu Glu Asn Ile Lys
 110 115 120
 Ile Phe Glu Glu Glu Glu Val Glu Phe Ile Ser Val Pro Val Pro
 125 130 135
 Glu Phe Ala Asp Ser Asp Pro Ala Asn Ile Val His Asp Phe Asn
 140 145 150
 Lys Lys Leu Thr Ala Tyr Leu Asp Leu Asn Leu Asp Lys Cys Tyr
 155 160 165
 Val Ile Pro Leu Asn Thr Ser Ile Val Met Pro Pro Arg Asn Leu
 170 175 180
 Leu Glu Leu Leu Ile Asn Ile Lys Ala Gly Thr Tyr Leu Pro Gln
 185 190 195

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Ser Tyr Leu Ile His Glu His Met Val Ile Thr Asp Arg Ile Glu
      200                      205                      210
Asn Ile Asp His Leu Gly Phe Phe Ile Tyr Arg Leu Cys His Asp
      215                      220                      225
Lys Glu Thr Tyr Lys Leu Gln Arg Arg Glu Thr Ile Lys Gly Ile
      230                      235                      240
Gln Lys Arg Glu Ala Ser Asn Cys Phe Ala Ile Arg His Phe Glu
      245                      250                      255
Asn Lys Phe Ala Val Glu Thr Leu Ile Cys Ser
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<210> 142
<211> 1030
<212> DNA
<213> Homo sapiens

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<220>
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<223> Incyte ID No: 995929.22

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<400> 142
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ggttttccac ccagctttca ccaaggcctc ccctgttgtg aagaattcca tcacgaagaa 240
tcaatggctg ttaacaccta gcaggaata tgccaccaa acaagaattg ggatccggcg 300
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taaaattgat cagatgggaa gatggtttgt tgctggagg gctgctgttg gtcttggagc 420
attgtgctac tatggcttgg gactgtctaa tgagattgga gctattgaaa aggctgtaat 480
ttggcctcag tatgtcaagg atagaattca ttccacctat atgtacttag caggggagtat 540
tggtttaaca gctttgtctg ccatagcaat cagcagaacg cctgtttctc tgaacttcat 600
gatgagaggc tcttgggtga caattggtgt gacctttgca gccatgggtg gagctggaat 660
gctggtacga tcaataccat atgaccagag ccagggccca aagcatcttg cttggttgct 720
acattctggt gtgatgggtg cagtgggtggc tcctctgaca atattagggg gtctcttct 780
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ctttgtgtcc tcattgggat ctatgtttct tccacctacc accgtggctg gtgccactct 960
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<210> 143
<211> 2386
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 995929.27

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<220>
<221> unsure
<222> 1907, 2297
<223> a, t, c, g, or other

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caaggcctcc cctgttgtga agaattccat cacgaagaat caatggctgt taacacctag 180
cagggaatat gccacaaaa caagaattgg gatccggcgt gggagaactg gccagaact 240
aaaagggca gcattggaac catcgatgga aaaaaatatt aaaattgac agatgggaag 300
atggtttgtt gctggagggg ctgctgttgg tcttgggtga caattggtgt gacctttgca 360
gccatgggtg gagctggaat gctggtacga tcaataccat atgaccagag ccagggccca 420
aagcatcttg cttggttgct acattctggt gtgatgggtg cagtgggtggc tcctctgaca 480
atattagggg gtctcttct catcagagct gcattggata cagctggcat tgtgggaggc 540
ctctccactg tggccatgtg tgcgccagct gaaaagtttc tgaacatggg tgcacccctg 600
ggagtgggcc tgggtctcgt ctttgtgtcc tcattgggat ctatgtttct tccacctacc 660

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accgtggctg	gtgccactct	ttactcagtg	gcaatgtacg	gtggattagt	tcttttcagc	720
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ggagttcaaa	aatatgatcc	cattaactcg	atgctgagta	tctacatgga	tacattaaat	840
atatttatgc	gagttgcaac	tatgctggca	actggaggca	acagaaagaa	atgaagtgc	900
tcagcttctg	gcttctctgc	tacatcaa	atcttggtta	atggggcaga	tatgcattaa	960
atagtttgta	caagcagctt	tcgttgaagt	ttagaagata	agaaacatgt	catcatat	1020
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gcttcattag	tttcccttag	cagactttta	cttctcttac	actgctacac	cattacattc	2040
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gaaagaagtc	tgtatgatga	ctgagggtgat	tgctcttttt	gacaaatgtt	tattacagta	2160
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agggatttct	tcaagtnagc	aacttagttt	cttggcagta	tagtatagtg	cagtgtgata	2340
agtacatgat	acttgtagct	agactacctc	tatttgaatc	tcaact		2386

<210> 144

<211> 1212

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1397029.1

<400> 144

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agagtctatg	tatgggattg	aacaatctgt	aaactaaagg	atcctaatac	tgaaaataag	180
tatgataaat	tataagtccc	taattggcac	tgttgtttat	attagcctcc	tggtatcattt	240
ttacagtttt	ccagaactcc	acaaagggtt	ggtctgctct	aaacttatcc	atctccctcc	300
attactggaa	caactccaca	aagtccttat	tccttaaaac	accactgata	tcattaaagc	360
cactaacaga	gactgaactc	agaataaagg	aaatcataga	gaaactagat	cagcagatcc	420
caccacagac	tttcaccac	gtgaacacca	ccaccagcgc	cacacatagc	acagccacca	480
tcctcaaccc	tcgagatacg	tactgcaggg	gagaccagct	gcacatcctg	ctggagggtga	540
gggaccactt	gggacgcagg	aagcaatatg	gcggggattt	cctgagggcc	aggatgtctt	600
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tggtcagctt	cactctgttc	tggtgagggc	aggtctctct	gtctctgctg	ctcatccacc	720
ccagtgaagg	gggtgtcagc	tctctggagt	gcaaggaacc	aaggctattg	acagggtgat	780
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cttgtgagtg	tattaatttt	gggtgtcttt	agtaagagcc	tttggggaaa	ggatctgtga	1140
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<210> 145

<211> 841

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 403560.1

<400> 145
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 tggaaatcctg tctcctgtag tttggctaca gtcaaaaatga aggaatgcct gagaggaaaa 240
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 gtggatttgg ataggaacat caacatccag tggcaaaaac attgttatcc cttgatagga 420
 tcaatgacct attcagtcaa agagatggag tacctcaccg gggccattga cagaactgga 480
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 gaaagattta gtgactttca tggttacatt caatatctca tcataaagga cattttccag 720
 gatctcagtg tgagtatcat tgatgcctgg gatataacaa ttgcatatgg cacaataaat 780
 gtacaccac ctcaacatgt agtcggaaat cagattaata tattattaaa ctatatttgt 840
 t 841

<210> 146
 <211> 1480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1329606.3

<220>
 <221> unsure
 <222> 134, 198, 206
 <223> a, t, c, g, or other

<400> 146
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 tctgatcagt gacttctacc cgggagctgt gacagtggcc tgggaaggcag atggcagccc 480
 cgtcaaggcg ggagtggaga ccaccaaacc ctccaaacag agcaacaaca agtacgcggc 540
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<210> 147
 <211> 532
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1092257.12

<220>
 <221> unsure
 <222> 321, 371, 441, 482, 491, 526
 <223> a, t, c, g, or other

<400> 147
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<210> 148
 <211> 1853
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 474322.38

<400> 148
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 ggaggggtcc agcaggcagc tgtctataca aatgcagctc aggggagaat tcaggactgg 180
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<210> 149
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 255002.3

<220>
 <221> unsure
 <222> 240, 321
 <223> a, t, c, g, or other

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<211> 533

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3699582CD1

<400> 152

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Ala Pro Asp Ala Ser Leu Tyr Ile Arg Asp Gly Ala Phe Tyr Thr
 65         70         75
Leu Lys Thr Tyr Pro Val Pro Phe Gln Arg Glu Asp Val Lys Glu
 80         85         90
Ser Phe Val Ser Leu Gly His Asn Val Phe Glu Asn Asp Ser Phe
 95        100        105
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110        115        120
Ala Met Leu Leu Ser Gly Cys Ser His Leu Leu His Asn Lys Glu
125        130        135
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140        145        150
Asp Pro Phe Leu Pro Cys Ser Pro Ile Val Ala Gln Tyr Leu Ser
155        160        165
Leu Pro Thr Val Phe Phe Leu His Ala Leu Pro Cys Ser Leu Glu
170        175        180
Phe Glu Ala Thr Gln Cys Pro Asn Pro Phe Ser Tyr Val Pro Arg
185        190        195
Pro Leu Ser Ser His Ser Asp His Met Thr Phe Leu Gln Arg Val
200        205        210
Lys Asn Met Leu Ile Ala Phe Ser Gln Asn Phe Leu Cys Asp Val
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Val Tyr Ser Pro Tyr Ala Thr Leu Ala Ser Glu Phe Leu Gln Arg
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Glu Val Thr Val Gln Asp Leu Leu Ser Ser Ala Ser Val Trp Leu
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 Glu Lys Lys Ala Met Ala Ile Ala Asp Ala Leu Gly Lys Ile Pro
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 Gln Thr Val Leu Trp Arg Tyr Thr Gly Thr Arg Pro Ser Asn Leu
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 Leu Gly His Pro Met Thr Arg Ala Phe Ile Thr His Ala Gly Ser
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 His Gly Val Tyr Glu Ser Ile Cys Asn Gly Val Pro Met Val Met
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 Met Pro Leu Phe Gly Asp Gln Met Asp Asn Ala Lys Arg Met Glu
 395 400 405
 Thr Lys Gly Ala Gly Val Thr Leu Asn Val Leu Glu Met Thr Ser
 410 415 420
 Glu Asp Leu Glu Asn Ala Leu Lys Ala Val Ile Asn Asp Lys Ser
 425 430 435
 Tyr Lys Glu Asn Ile Met Arg Leu Ser Ser Leu His Lys Asp Arg
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 Pro Val Glu Pro Leu Asp Leu Ala Val Phe Trp Val Glu Phe Val
 455 460 465
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 470 475 480
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<220>
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 <223> a, t, c, g, or other

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<222> 1582, 1591, 1604, 1648

<223> a, t, c, g, or other

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Gly Gly Ile Thr Ala Val Thr Val Asn Gln Ser Leu Leu Ser Pro
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Leu Val Leu Glu Val Asp Pro Asn Ile Gln Ala Val Arg Thr Gln
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Glu Lys Glu Gln Ile Lys Thr Leu Asn Asn Lys Phe Ala Ser Phe
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Ile Asp Lys Val Arg Phe Leu Glu Gln Gln Asn Lys Met Leu Glu
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Thr Lys Trp Ser Leu Leu Gln Gln Gln Lys Thr Ala Arg Ser Asn
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          170          175          180
Asp Glu Ile Asn Lys Arg Thr Glu Met Glu Asn Glu Phe Val Leu
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Ile Lys Lys Asp Val Asp Glu Ala Tyr Met Asn Lys Val Glu Leu
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Glu Ser Arg Leu Glu Gly Leu Thr Asp Glu Ile Asn Phe Leu Arg
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Gln Leu Tyr Glu Glu Glu Ile Arg Glu Leu Gln Ser Gln Ile Ser
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Asp Thr Ser Val Val Leu Ser Met Asp Asn Ser Arg Ser Leu Asp

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<210> 160
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<221> misc_feature
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Gly Phe Ile Asp Lys Glu Asp Leu His Asp Met Leu Ala Ser Leu
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Gly Lys Asn Pro Thr Asp Glu Tyr Leu Asp Ala Met Met Asn Glu
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Ala Pro Gly Pro Ile Asn Phe Thr Met Phe Leu Thr Met Phe Gly
80 85 90
Glu Lys Leu Asn Gly Thr Asp Pro Glu Asp Val Ile Arg Asn Ala
95 100 105
Phe Ala Cys Phe Asp Glu Glu Ala Thr Gly Thr Ile Gln Glu Asp
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Tyr Leu Arg Glu Leu Leu Thr Thr Met Gly Asp Arg Phe Thr Asp
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160

165

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<211> 527

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2434655CD1

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          35          40          45
Leu Ile Val Arg Gly His Glu Val Thr Val Leu Thr His Ser Lys
          50          55          60
Pro Ser Leu Ile Asp Tyr Arg Lys Pro Ser Ala Leu Lys Phe Glu
          65          70          75
Val Val His Met Pro Gln Asp Arg Thr Glu Glu Asn Glu Ile Phe
          80          85          90
Val Asp Leu Ala Leu Asn Val Leu Pro Gly Leu Ser Thr Trp Gln
          95          100         105
Ser Val Ile Lys Leu Asn Asp Phe Phe Val Glu Ile Arg Gly Thr
          110         115         120
Leu Lys Met Met Cys Glu Ser Phe Ile Tyr Asn Gln Thr Leu Met
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Lys Lys Leu Gln Glu Thr Asn Tyr Asp Val Met Leu Ile Asp Pro
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Ser Cys Gly Lys Leu Pro Ala Pro Leu Ser Tyr Val Pro Val Pro
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Met Thr Gly Leu Thr Asp Arg Met Thr Phe Leu Glu Arg Val Lys
          200         205         210
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 365 370 375
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 380 385 390
 Val Pro Ile Phe Gly Asp Gln Leu Asp Asn Ile Ala His Met Lys
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 Ala Lys Gly Ala Ala Val Glu Ile Asn Phe Lys Thr Met Thr Ser
 410 415 420
 Glu Asp Leu Leu Arg Ala Leu Arg Thr Val Ile Thr Asp Ser Ser
 425 430 435
 Tyr Lys Glu Asn Ala Met Arg Leu Ser Arg Ile His His Asp Gln
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 455 460 465
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 Arg Glu

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<210> 173

<211> 679

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2023119CD1

<400> 173

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Ile	Ala	Phe	Val	Leu	Ala	Phe	Ser	Val	Gly	Ala	Asn	Asp	Val	Ala
				35					40					45
Asn	Ser	Phe	Gly	Thr	Ala	Val	Gly	Ser	Gly	Val	Val	Thr	Leu	Lys
				50					55					60
Gln	Ala	Cys	Ile	Leu	Ala	Ser	Ile	Phe	Glu	Thr	Val	Gly	Ser	Val
				65					70					75
Leu	Leu	Gly	Ala	Lys	Val	Ser	Glu	Thr	Ile	Arg	Lys	Gly	Leu	Ile
				80					85					90
Asp	Val	Glu	Met	Tyr	Asn	Ser	Thr	Gln	Gly	Leu	Leu	Met	Ala	Gly
				95					100					105
Ser	Val	Ser	Ala	Met	Phe	Gly	Ser	Ala	Val	Trp	Gln	Leu	Val	Ala
				110					115					120
Ser	Phe	Leu	Lys	Leu	Pro	Ile	Ser	Gly	Thr	His	Cys	Ile	Val	Gly
				125					130					135
Ala	Thr	Ile	Gly	Phe	Ser	Leu	Val	Ala	Lys	Gly	Gln	Glu	Gly	Val
				140					145					150
Lys	Trp	Ser	Glu	Leu	Ile	Lys	Ile	Val	Met	Ser	Trp	Phe	Val	Ser
				155					160					165
Pro	Leu	Leu	Ser	Gly	Ile	Met	Ser	Gly	Ile	Leu	Phe	Phe	Leu	Val
				170					175					180
Arg	Ala	Phe	Ile	Leu	His	Lys	Ala	Asp	Pro	Val	Pro	Asn	Gly	Leu
				185					190					195
Arg	Ala	Leu	Pro	Val	Phe	Tyr	Ala	Cys	Thr	Val	Gly	Ile	Asn	Leu
				200					205					210
Phe	Ser	Ile	Met	Tyr	Thr	Gly	Ala	Pro	Leu	Leu	Gly	Phe	Asp	Lys
				215					220					225
Leu	Pro	Leu	Trp	Gly	Thr	Ile	Leu	Ile	Ser	Val	Gly	Cys	Ala	Val
				230					235					240
Phe	Cys	Ala	Leu	Ile	Val	Trp	Phe	Phe	Val	Cys	Pro	Arg	Met	Lys
				245					250					255
Arg	Lys	Ile	Glu	Arg	Glu	Ile	Lys	Cys	Ser	Pro	Ser	Glu	Ser	Pro
				260					265					270
Leu	Met	Glu	Lys	Lys	Asn	Ser	Leu	Lys	Glu	Asp	His	Glu	Glu	Thr
				275					280					285
Lys	Leu	Ser	Val	Gly	Asp	Ile	Glu	Asn	Lys	His	Pro	Val	Ser	Glu
				290					295					300
Val	Gly	Pro	Ala	Thr	Val	Pro	Leu	Gln	Ala	Val	Val	Glu	Glu	Arg
				305					310					315
Thr	Val	Ser	Phe	Lys	Leu	Gly	Asp	Leu	Glu	Glu	Ala	Pro	Glu	Arg
				320					325					330
Glu	Arg	Leu	Pro	Ser	Val	Asp	Leu	Lys	Glu	Glu	Thr	Ser	Ile	Asp
				335					340					345
Ser	Thr	Val	Asn	Gly	Ala	Val	Gln	Leu	Pro	Asn	Gly	Asn	Leu	Val
				350					355					360
Gln	Phe	Ser	Gln	Ala	Val	Ser	Asn	Gln	Ile	Asn	Ser	Ser	Gly	His
				365					370					375
Tyr	Gln	Tyr	His	Thr	Val	His	Lys	Asp	Ser	Gly	Leu	Tyr	Lys	Glu
				380					385					390
Leu	Leu	His	Lys	Leu	His	Leu	Ala	Lys	Val	Gly	Asp	Cys	Met	Gly
				395					400					405
Asp	Ser	Gly	Asp	Lys	Pro	Leu	Arg	Arg	Asn	Asn	Ser	Tyr	Thr	Ser
				410					415					420
Tyr	Thr	Met	Ala	Ile	Cys	Gly	Met	Pro	Leu	Asp	Ser	Phe	Arg	Ala
				425					430					435
Lys	Glu	Gly	Glu	Gln	Lys	Gly	Glu	Glu	Met	Glu	Lys	Leu	Thr	Trp
				440					445					450
Pro	Asn	Ala	Asp	Ser	Lys	Lys	Arg	Ile	Arg	Met	Asp	Ser	Tyr	Thr
				455					460					465
Ser	Tyr	Cys	Asn	Ala	Val	Ser	Asp	Leu	His	Ser	Ala	Ser	Glu	Ile
				470					475					480
Asp	Met	Ser	Val	Lys	Ala	Glu	Met	Gly	Leu	Gly	Asp	Arg	Lys	Gly

TOTAL = 101404

	485		490		495
Ser Asn Gly Ser	Leu Glu Glu Trp Tyr	Asp Gln Asp Lys Pro	Glu		
	500		510		
Val Ser Leu Leu	Phe Gln Phe Leu Gln	Ile Leu Thr Ala Cys	Phe		
	515		525		
Gly Ser Phe Ala	His Gly Gly Asn Asp	Val Ser Asn Ala Ile	Gly		
	530		540		
Pro Leu Val Ala	Leu Tyr Leu Val Tyr	Asp Thr Gly Asp Val	Ser		
	545		555		
Ser Lys Val Ala	Thr Pro Ile Trp Leu	Leu Leu Tyr Gly Gly	Val		
	560		570		
Gly Ile Cys Val	Gly Leu Trp Val Trp	Gly Arg Arg Val Ile	Gln		
	575		585		
Thr Met Gly Lys	Asp Leu Thr Pro Ile	Thr Pro Ser Ser Gly	Phe		
	590		600		
Ser Ile Glu Leu	Ala Ser Ala Leu Thr	Val Val Ile Ala Ser	Asn		
	605		615		
Ile Gly Leu Pro	Ile Ser Thr Thr His	Cys Lys Val Gly Ser	Val		
	620		630		
Val Ser Val Gly	Trp Leu Arg Ser Lys	Lys Ala Val Asp Trp	Arg		
	635		645		
Leu Phe Arg Asn	Ile Phe Met Ala Trp	Phe Val Thr Val Pro	Ile		
	650		660		
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Ile Leu Arg Met					

<210> 174

<211> 1708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1973832CB1

<400> 174

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ccaggaagaa	accaccggaa	ggaaccatct	cactgtgtgt	aaacatgact	tccaagctgg	180
ccgtggctct	cttggcagcc	ttcctgattt	ctgcagctct	gtgtgaagggt	gcagttttgc	240
caaggagtgc	taaagaactt	agatgtcagt	gcataaagac	atactccaaa	cctttccacc	300
ccaaatttat	caaagaactg	agagtgtattg	agagtggacc	acactgcgcc	aacacagaaa	360
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ttgaatttca	gtaaacaatg	aatagttttt	catggtacca	tgaaatatcc	agaacatact	660
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ggatttttct	agatattgca	cgggagaata	tacaaatagc	aaaattgagg	ccaagggcc	780
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1708

<210> 175

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1973832CD1

<400> 175

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          20          25          30
Glu Leu Arg Cys Gln Cys Ile Lys Thr Tyr Ser Lys Pro Phe His
          35          40          45
Pro Lys Phe Ile Lys Glu Leu Arg Val Ile Glu Ser Gly Pro His
          50          55          60
Cys Ala Asn Thr Glu Ile Ile Val Lys Leu Ser Asp Gly Arg Glu
          65          70          75
Leu Cys Leu Asp Pro Lys Glu Asn Trp Val Gln Arg Val Val Glu
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Lys Phe Leu Lys Arg Ala Glu Asn Ser
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<210> 176

<211> 3154

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 241888.54

<220>

<221> unsure

<222> 2919, 2922, 3031, 3033, 3043-3044, 3119

<223> a, t, c, g, or other

<400> 176

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 tcttgtattg catctggcaa ccctacaaca ngnccacac aanncatgaa gtgttgaagt 3060
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<210> 177

<211> 800

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1736965CB1

<400> 177

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 tcaggcagga gaaccaggct ctgctgccac cgagtcctta gccccaactc aacaaacctg 180
 aaaggacatc atgtgaggct ctgtaaacca tgcaagcttg agccagagcc ccgcctttgg 240
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<210> 178

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1736965CD1

<400> 178

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	20	25	30
Ala Trp Ser Gly Arg Arg Thr Arg Leu Cys Cys His Arg Val Pro			
	35	40	45
Ser Pro Asn Ser Thr Asn Leu Lys Gly His His Val Arg Leu Cys			
	50	55	60
Lys Pro Cys Lys Leu Glu Pro Glu Pro Arg Leu Trp Val Val Pro			
	65	70	75
Gly Ala Leu Pro Gln Val			
	80		

<210> 179
 <211> 1738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 412065.17

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<210> 187
 <211> 1273
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 522433CB1

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<210> 188
 <211> 308
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<220>
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35 40 45
Leu His Thr Glu Asp Ser Arg Phe Arg Glu Leu Arg Lys Arg Tyr
50 55 60
Glu Asp Leu Leu Thr Arg Leu Arg Ala Asn Gln Ser Trp Glu Asp
65 70 75
Ser Asn Thr Asp Leu Val Pro Ala Pro Ala Val Arg Ile Leu Thr
80 85 90
Pro Glu Val Arg Leu Gly Ser Gly Gly His Leu His Leu Arg Ile
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Ser Arg Ala Ala Leu Pro Glu Gly Leu Pro Glu Ala Ser Arg Leu

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Gln Ala Pro Ala	Leu His Leu Arg Leu	Ser Pro Pro Pro Ser	Gln		
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Ser Asp Gln Leu	Leu Ala Glu Ser Ser	Ser Ala Arg Pro Gln	Leu		
	170		175		180
Glu Leu His Leu	Arg Pro Gln Ala Ala	Arg Gly Arg Arg Arg	Ala		
	185		190		195
Arg Ala Arg Asn	Gly Asp His Cys Pro	Leu Gly Pro Gly Arg	Cys		
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Cys Arg Leu His	Thr Val Arg Ala Ser	Leu Glu Asp Leu Gly	Trp		
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Ala Asp Trp Val	Leu Ser Pro Arg Glu	Val Gln Val Thr Met	Cys		
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Ile Gly Ala Cys	Pro Ser Gln Phe Arg	Ala Ala Asn Met His	Ala		
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Ala Pro Cys Cys	Val Pro Ala Ser Tyr	Asn Pro Met Val Leu	Ile		
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<210> 189
 <211> 1712
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 480489.5

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1712

<210> 190

<211> 624

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 480489.2

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<210> 191

<211> 3111

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1737775CB1

<400> 191

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 taaaaactat ccattcaaac ccaaaaattt aataatcatt gagtctttta ttaatgaatt 3060
 tgaatactag aaagaaacag ggcttgcac aataaatgga agtatgagt t 3111

<210> 192

<211> 914

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1737775CD1

<400> 192

Met Gly Pro Phe Lys Ser Ser Val Phe Ile Leu Ile Leu His Leu
 1 5 10 15
 Leu Glu Gly Ala Leu Ser Asn Ser Leu Ile Gln Leu Asn Asn Asn
 20 25 30
 Gly Tyr Glu Gly Ile Val Val Ala Ile Asp Pro Asn Val Pro Glu
 35 40 45
 Asp Glu Thr Leu Ile Gln Gln Ile Lys Asp Met Val Thr Gln Ala
 50 55 60
 Ser Leu Tyr Leu Phe Glu Ala Thr Gly Lys Arg Phe Tyr Phe Lys
 65 70 75
 Asn Val Ala Ile Leu Ile Pro Glu Thr Trp Lys Thr Lys Ala Asp
 80 85 90
 Tyr Val Arg Pro Lys Leu Glu Thr Tyr Lys Asn Ala Asp Val Leu
 95 100 105
 Val Ala Glu Ser Thr Pro Pro Gly Asn Asp Glu Pro Tyr Thr Glu
 110 115 120
 Gln Met Gly Asn Cys Gly Glu Lys Gly Glu Arg Ile His Leu Thr
 125 130 135
 Pro Asp Phe Ile Ala Gly Lys Lys Leu Ala Glu Tyr Gly Pro Gln
 140 145 150
 Gly Arg Ala Phe Val His Glu Trp Ala His Leu Arg Trp Gly Val
 155 160 165
 Phe Asp Glu Tyr Asn Asn Asp Glu Lys Phe Tyr Leu Ser Asn Gly
 170 175 180
 Arg Ile Gln Ala Val Arg Cys Ser Ala Gly Ile Thr Gly Thr Asn
 185 190 195
 Val Val Lys Lys Cys Gln Gly Gly Ser Cys Tyr Thr Lys Arg Cys
 200 205 210
 Thr Phe Asn Lys Val Thr Gly Leu Tyr Glu Lys Gly Cys Glu Phe
 215 220 225
 Val Leu Gln Ser Arg Gln Thr Glu Lys Ala Ser Ile Met Phe Ala
 230 235 240
 Gln His Val Asp Ser Ile Val Glu Phe Cys Thr Glu Gln Asn His
 245 250 255
 Asn Lys Glu Ala Pro Asn Lys Gln Asn Gln Lys Cys Asn Leu Arg

	260		265		270
Ser Thr Trp Glu Val Ile Arg Asp Ser Glu Asp Phe Lys Lys Thr	275		280		285
Thr Pro Met Thr Thr Gln Pro Pro Asn Pro Thr Phe Ser Leu Leu	290		295		300
Gln Ile Gly Gln Arg Ile Val Cys Leu Val Leu Asp Lys Ser Gly	305		310		315
Ser Met Ala Thr Gly Asn Arg Leu Asn Arg Leu Asn Gln Ala Gly	320		325		330
Gln Leu Phe Leu Leu Gln Thr Val Glu Leu Gly Ser Trp Val Gly	335		340		345
Met Val Thr Phe Asp Ser Ala Ala His Val Gln Ser Glu Leu Ile	350		355		360
Gln Ile Asn Ser Gly Ser Asp Arg Asp Thr Leu Ala Lys Arg Leu	365		370		375
Pro Ala Ala Ala Ser Gly Gly Thr Ser Ile Cys Ser Gly Leu Arg	380		385		390
Ser Ala Phe Thr Val Ile Arg Lys Lys Tyr Pro Thr Asp Gly Ser	395		400		405
Glu Ile Val Leu Leu Thr Asp Gly Glu Asp Asn Thr Ile Ser Gly	410		415		420
Cys Phe Asn Glu Val Lys Gln Ser Gly Ala Ile Ile His Thr Val	425		430		435
Ala Leu Gly Pro Ser Ala Ala Gln Glu Leu Glu Glu Leu Ser Lys	440		445		450
Met Thr Gly Gly Leu Gln Thr Tyr Ala Ser Asp Gln Val Gln Asn	455		460		465
Asn Gly Leu Ile Asp Ala Phe Gly Ala Leu Ser Ser Gly Asn Gly	470		475		480
Ala Val Ser Gln Arg Ser Ile Gln Leu Glu Ser Lys Gly Leu Thr	485		490		495
Leu Gln Asn Ser Gln Trp Met Asn Gly Thr Val Ile Val Asp Ser	500		505		510
Thr Val Gly Lys Asp Thr Leu Phe Leu Ile Thr Trp Thr Thr Gln	515		520		525
Pro Pro Gln Ile Leu Leu Trp Asp Pro Ser Gly Gln Lys Gln Gly	530		535		540
Gly Phe Val Val Asp Lys Asn Thr Lys Met Ala Tyr Leu Gln Ile	545		550		555
Pro Gly Ile Ala Lys Val Gly Thr Trp Lys Tyr Ser Leu Gln Ala	560		565		570
Ser Ser Gln Thr Leu Thr Leu Thr Val Thr Ser Arg Ala Ser Asn	575		580		585
Ala Thr Leu Pro Pro Ile Thr Val Thr Ser Lys Thr Asn Lys Asp	590		595		600
Thr Ser Lys Phe Pro Ser Pro Leu Val Val Tyr Ala Asn Ile Arg	605		610		615
Gln Gly Ala Ser Pro Ile Leu Arg Ala Ser Val Thr Ala Leu Ile	620		625		630
Glu Ser Val Asn Gly Lys Thr Val Thr Leu Glu Leu Leu Asp Asn	635		640		645
Gly Ala Gly Ala Asp Ala Thr Lys Asp Asp Gly Val Tyr Ser Arg	650		655		660
Tyr Phe Thr Thr Tyr Asp Thr Asn Gly Arg Tyr Ser Val Lys Val	665		670		675
Arg Ala Leu Gly Gly Val Asn Ala Ala Arg Arg Arg Val Ile Pro	680		685		690
Gln Gln Ser Gly Ala Leu Tyr Ile Pro Gly Trp Ile Glu Asn Asp	695		700		705
Glu Ile Gln Trp Asn Pro Pro Arg Pro Glu Ile Asn Lys Asp Asp	710		715		720
Val Gln His Lys Gln Val Cys Phe Ser Arg Thr Ser Ser Gly Gly	725		730		735
Ser Phe Val Ala Ser Asp Val Pro Asn Ala Pro Ile Pro Asp Leu	740		745		750
Phe Pro Pro Gly Gln Ile Thr Asp Leu Lys Ala Glu Ile His Gly					

	755		760		765
Gly Ser Leu Ile	Asn Leu Thr Trp Thr	Ala Pro Gly Asp Asp	Tyr		
	770		775		780
Asp His Gly Thr	Ala His Lys Tyr Ile	Ile Arg Ile Ser Thr	Ser		
	785		790		795
Ile Leu Asp Leu	Arg Asp Lys Phe Asn	Glu Ser Leu Gln Val	Asn		
	800		805		810
Thr Thr Ala Leu	Ile Pro Lys Glu Ala	Asn Ser Glu Glu Val	Phe		
	815		820		825
Leu Phe Lys Pro	Glu Asn Ile Thr Phe	Glu Asn Gly Thr Asp	Leu		
	830		835		840
Phe Ile Ala Ile	Gln Ala Val Asp Lys	Val Asp Leu Lys Ser	Glu		
	845		850		855
Ile Ser Asn Ile	Ala Arg Val Ser Leu	Phe Ile Pro Pro Gln	Thr		
	860		865		870
Pro Pro Glu Thr	Pro Ser Pro Asp Glu	Thr Ser Ala Pro Cys	Pro		
	875		880		885
Asn Ile His Ile	Asn Ser Thr Ile Pro	Gly Ile His Ile Leu	Lys		
	890		895		900
Ile Met Trp Lys	Trp Ile Gly Glu Leu	Gln Leu Ser Ile Ala			
	905		910		

<210> 193
 <211> 1714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 088078CB1

<400> 193
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 gctaatacaa ctgagctttt gcttttagctc tgggaattgt ggaaagggtg tgggtgtggc 120
 agcagaatac agccattgga tgaatataaa gacaatcctg gatgagctta ttcagagagg 180
 tcatgagggtg actgtactgg catcttcagc ttccattctt tttgatccca acaactcatc 240
 cgctcttaaa attgaaattt atcccacatc ttttaactaaa actgagttgg agaatttcat 300
 catgcaacag attaagagat ggtcagacct tccaaaagat acatttttgg tatatttttc 360
 acaagtacag gaaatcatgt caatatttgg tgacataact agaaagttct gtaaagatgt 420
 agtttcaaat aagaaattta tgaaaaaagt acaagagtca agatttgacg tcatttttgc 480
 agatgctatt ttccctgtga gtgagctgct ggctgagcta tttaacatac cctttgtgta 540
 cagtctcagc ttctctctcg gctacacttt tgaaaagcat agtggaggat ttattttccc 600
 tcttctctac gtacctgttg ttatgtcaga attaactgat caaatgactt tcatggagag 660
 ggtaaaaaat atgatctatg tgctttactt tgacttttgg ttcgaaatat ttgacatgaa 720
 gaagtgggat cagttttata gtgaagttct aggaagacct actacgttat ctgagacaat 780
 ggggaaagct gacgtatggc ttattcgaaa ctcttggaat tttcagtttc ctcattccact 840
 cttaccaaat gtgatttttg ttggaggact ccactgcaaa cctgccaaac ccctgcctaa 900
 ggaaatggaa gactttgtac agagctctgg agaaaatggg gttgtgggtg tttctctggg 960
 gtcaatggtc agtaacatga cagaagaaag ggccaacgta attgcatcag ccctggccca 1020
 gatcccacaa aaggttctgt ggagatttga tgggaataaa ccagatacct taggtctcaa 1080
 tactcggtc tacaagtggg taccacagaa tgaccttcta ggatcatcaa agaccagagc 1140
 ttttataact catggtggag ccaatggcat ctacgaggca atctaccatg ggatccctat 1200
 ggtggggatt ccattgtttg ctgatcaacc tgataacatt gctcacatga aggccagggg 1260
 agcagctggt agagtggact tcaacacaat gtcgagtaca gacttgctga atgcattgaa 1320
 gagagtaatt aatgatcctt catataaaga gaatgttatg aaattatcaa gaattcaaca 1380
 tgatcaacca gtgaagcccc tggatcgagc agtcttctgg attgaatttg tcatgcgcca 1440
 caaaggagct aaacaccttc ggggttgagc ccacgacctc acctggttcc agtaccactc 1500
 tttggatgtg attgggttcc tgcgtggtctg tgtggcaact gtgatattta tcgtcacaaa 1560
 atgttgtctg ttttgtttct ggaagtttgc tagaaaagca aagaagggaa aaaatgatta 1620
 gttatatctg agatttgaag ctggaaaacc tgataggtga gactacttca gtttattcca 1680
 gcaagaaaga ttgtgatgca tgatgtcgat cttc 1714

<210> 194
 <211> 529
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 088078CD1

<400> 194

Met	Ser	Val	Lys	Trp	Thr	Ser	Val	Ile	Leu	Leu	Ile	Gln	Leu	Ser
1				5					10					15
Phe	Cys	Phe	Ser	Ser	Gly	Asn	Cys	Gly	Lys	Val	Leu	Val	Trp	Ala
				20					25					30
Ala	Glu	Tyr	Ser	His	Trp	Met	Asn	Ile	Lys	Thr	Ile	Leu	Asp	Glu
				35					40					45
Leu	Ile	Gln	Arg	Gly	His	Glu	Val	Thr	Val	Leu	Ala	Ser	Ser	Ala
				50					55					60
Ser	Ile	Leu	Phe	Asp	Pro	Asn	Asn	Ser	Ser	Ala	Leu	Lys	Ile	Glu
				65					70					75
Ile	Tyr	Pro	Thr	Ser	Leu	Thr	Lys	Thr	Glu	Leu	Glu	Asn	Phe	Ile
				80					85					90
Met	Gln	Gln	Ile	Lys	Arg	Trp	Ser	Asp	Leu	Pro	Lys	Asp	Thr	Phe
				95					100					105
Trp	Leu	Tyr	Phe	Ser	Gln	Val	Gln	Glu	Ile	Met	Ser	Ile	Phe	Gly
				110					115					120
Asp	Ile	Thr	Arg	Lys	Phe	Cys	Lys	Asp	Val	Val	Ser	Asn	Lys	Lys
				125					130					135
Phe	Met	Lys	Lys	Val	Gln	Glu	Ser	Arg	Phe	Asp	Val	Ile	Phe	Ala
				140					145					150
Asp	Ala	Ile	Phe	Pro	Cys	Ser	Glu	Leu	Leu	Ala	Glu	Leu	Phe	Asn
				155					160					165
Ile	Pro	Phe	Val	Tyr	Ser	Leu	Ser	Phe	Ser	Pro	Gly	Tyr	Thr	Phe
				170					175					180
Glu	Lys	His	Ser	Gly	Gly	Phe	Ile	Phe	Pro	Pro	Ser	Tyr	Val	Pro
				185					190					195
Val	Val	Met	Ser	Glu	Leu	Thr	Asp	Gln	Met	Thr	Phe	Met	Glu	Arg
				200					205					210
Val	Lys	Asn	Met	Ile	Tyr	Val	Leu	Tyr	Phe	Asp	Phe	Trp	Phe	Glu
				215					220					225
Ile	Phe	Asp	Met	Lys	Lys	Trp	Asp	Gln	Phe	Tyr	Ser	Glu	Val	Leu
				230					235					240
Gly	Arg	Pro	Thr	Thr	Leu	Ser	Glu	Thr	Met	Gly	Lys	Ala	Asp	Val
				245					250					255
Trp	Leu	Ile	Arg	Asn	Ser	Trp	Asn	Phe	Gln	Phe	Pro	His	Pro	Leu
				260					265					270
Leu	Pro	Asn	Val	Asp	Phe	Val	Gly	Gly	Leu	His	Cys	Lys	Pro	Ala
				275					280					285
Lys	Pro	Leu	Pro	Lys	Glu	Met	Glu	Asp	Phe	Val	Gln	Ser	Ser	Gly
				290					295					300
Glu	Asn	Gly	Val	Val	Val	Phe	Ser	Leu	Gly	Ser	Met	Val	Ser	Asn
				305					310					315
Met	Thr	Glu	Glu	Arg	Ala	Asn	Val	Ile	Ala	Ser	Ala	Leu	Ala	Gln
				320					325					330
Ile	Pro	Gln	Lys	Val	Leu	Trp	Arg	Phe	Asp	Gly	Asn	Lys	Pro	Asp
				335					340					345
Thr	Leu	Gly	Leu	Asn	Thr	Arg	Leu	Tyr	Lys	Trp	Ile	Pro	Gln	Asn
				350					355					360
Asp	Leu	Leu	Gly	His	Pro	Lys	Thr	Arg	Ala	Phe	Ile	Thr	His	Gly
				365					370					375
Gly	Ala	Asn	Gly	Ile	Tyr	Glu	Ala	Ile	Tyr	His	Gly	Ile	Pro	Met
				380					385					390
Val	Gly	Ile	Pro	Leu	Phe	Ala	Asp	Gln	Pro	Asp	Asn	Ile	Ala	His
				395					400					405
Met	Lys	Ala	Arg	Gly	Ala	Ala	Val	Arg	Val	Asp	Phe	Asn	Thr	Met
				410					415					420
Ser	Ser	Thr	Asp	Leu	Leu	Asn	Ala	Leu	Lys	Arg	Val	Ile	Asn	Asp
				425					430					435
Pro	Ser	Tyr	Lys	Glu	Asn	Val	Met	Lys	Leu	Ser	Arg	Ile	Gln	His
				440					445					450
Asp	Gln	Pro	Val	Lys	Pro	Leu	Asp	Arg	Ala	Val	Phe	Trp	Ile	Glu

	455		460		465
Phe Val Met Arg	His Lys Gly Ala Lys	His Leu Arg Val Ala	Ala		
	470		475		480
His Asp Leu Thr	Trp Phe Gln Tyr His	Ser Leu Asp Val Ile	Gly		
	485		490		495
Phe Leu Leu Val	Cys Val Ala Thr Val	Ile Phe Ile Val Thr	Lys		
	500		505		510
Cys Cys Leu Phe	Cys Phe Trp Lys Phe	Ala Arg Lys Ala Lys	Lys		
	515		520		525
Gly Lys Asn Asp					

09061353 101404